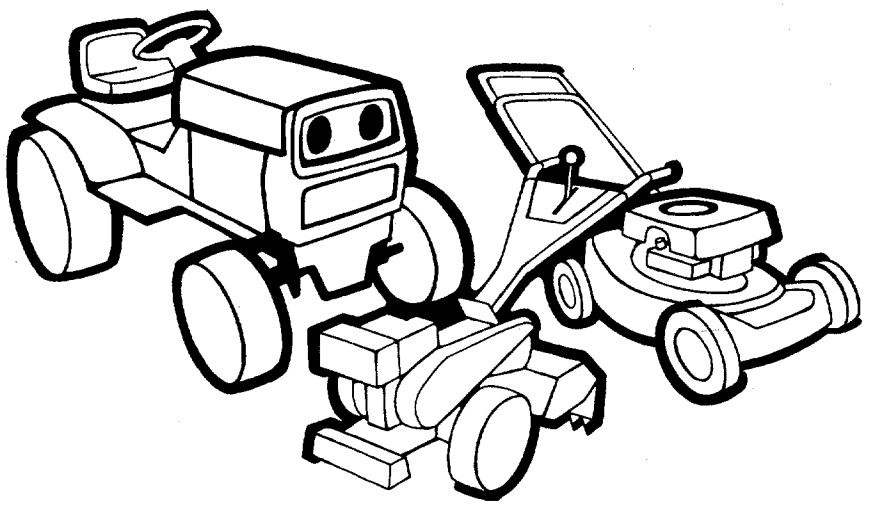
.75

OWNERS MANUAL



26" RIDING MOWER

ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST

Model Numbers
134-526-000
134-528-000
134-529-000

Important:
Read Safety Rules and Instructions Carefully

Thank you for purchasing an American built product.

PRINTED IN U.S.A.

FORM NO. 770-3204

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LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester muffler is available at your nearest engine authorized service center.

WARNING

To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Read this owner's manual carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop quickly—READ THIS OWNER'S MANUAL.
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. No one should operate this unit while intoxicated or while taking medication that impairs the senses or reactions.
6. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
7. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
8. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
9. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
10. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction and cause injury.
11. Clear work area of objects which might be picked up and thrown by the mower in any direction and cause injury.
12. Stop the blade(s) when crossing gravel drives, walks or roads.
13. Disengage all attachment clutches and shift into neutral before attempting to start engine.
14. Disengage power to attachment(s) and stop engine before leaving operating position.
15. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
16. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
17. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
18. Disengage power to attachment(s) when transporting or not in use.
19. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
20. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
21. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
22. Stay alert for holes in terrain and other hidden hazards.
23. Use care when pulling loads or using heavy equipment.
    A. Use only approved drawbar hitch points.
    B. Limit loads to those you can safely control.
    C. Do not turn sharply. Use care when backing.
    D. Use counterweight(s) or wheel weights when suggested in owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
26. Handle gasoline with care. It is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
    C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.

27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
28. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
31. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
32. Do not change the engine governor settings or overspeed the engine.
33. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
    (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
34. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
35. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
36. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

ASSEMBLY INSTRUCTIONS

NOTE

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

Loose Parts in Carton:

(1) Steering Wheel
(1) Battery Pack with Acid
(1) Carton with Grass Catcher, Hitch Plate and all Hardware.

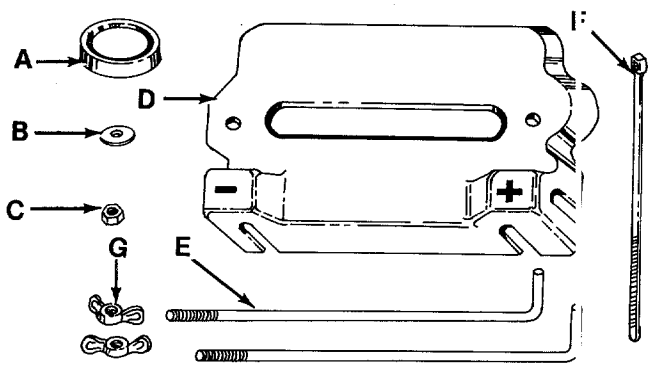


FIGURE 1.

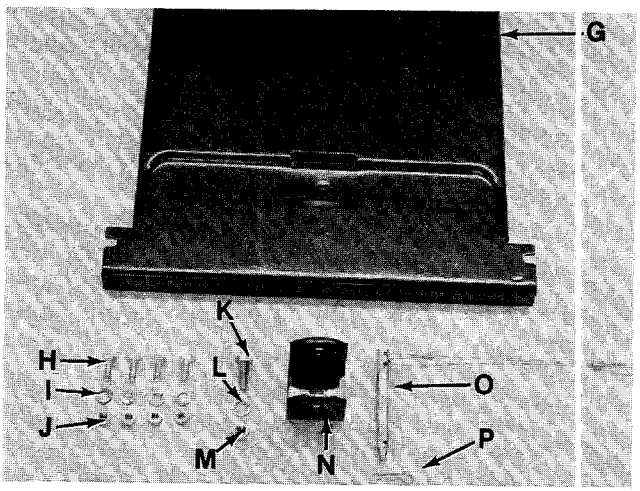


FIGURE 2.

Contents of Hardware Pack:
(See figures 1, 2, 3, 4 and 5)

A (1) Steering Wheel Cap
B (1) Belleville Washer
C (1) Hex Lock Nut 5/16-18 Thread
D (1) Battery Cover
E (2) Hold-Down Rods
F (1) Cable Tie
G (2) Wing Nuts
H (4) Hex Screws 5/16-18 x 3/4" Long
I (4) Lock Washers 5/16" I.D.
J (4) Hex Nuts 5/16-18 Thread
K (1) Hex Screw 3/8-16 x 1" Long
L (1) Lock Washer 3/8" I.D.
M (1) Hex Nut 3/8-16 Thread
N (1) Hitch Bracket
O (1) Hitch Pin
P (1) Hairpin Cotter
Q (1) Rear Hitch Plate
(2) Ignition Keys (Not Shown)

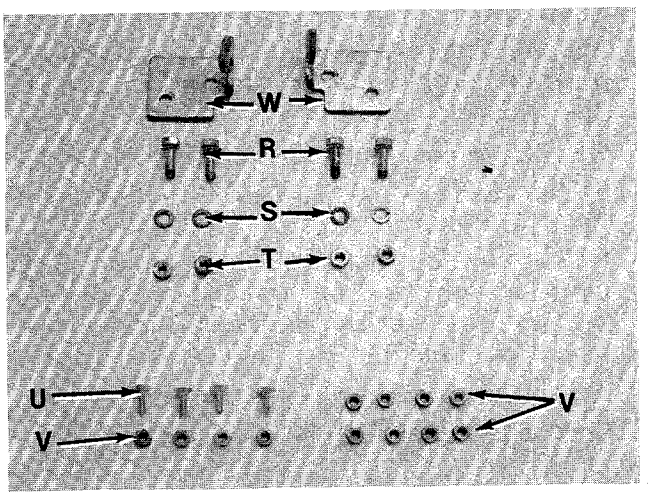


FIGURE 3.

←R (4) Hex Sems Bolts 5/16-18 x 1.00″ Long
S (4) Lock Washers 5/16″ I.D.
T (4) Hex Nuts 5/16-18 Thread
U (4) Hex Bolts 1/4-20 x 5/8″ Long
V (12) Hex Lock Nuts 1/4-20 Thread
W (2) Hinges—Right and Left Hand

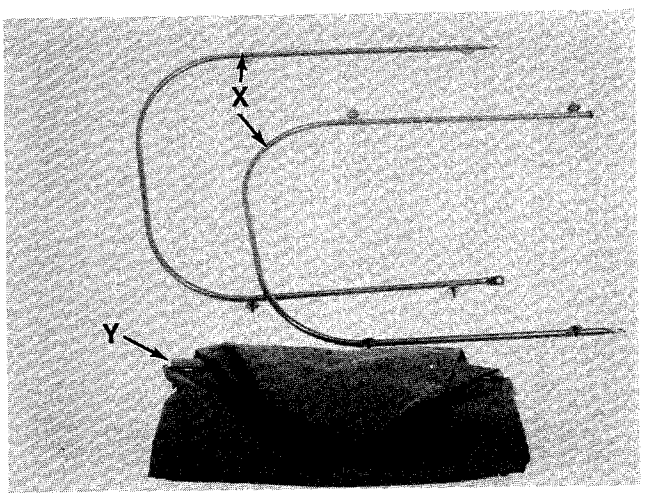


FIGURE 4.

←X (2) Grass Catcher Side Frames
Y (1) Grass Bag

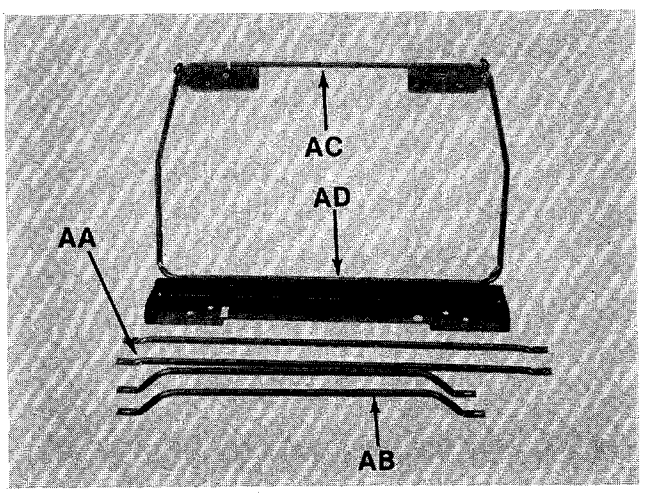


FIGURE 5.

←AA (2) Bottom Cross Braces
AB (2) Catcher Handles
AC (1) Frame Assembly
AD (1) Dust Cover

Remove the riding mower and all parts from the carton. Make certain that all loose parts and literature have been removed before the carton is discarded.

BATTERY INFORMATION

WARNING

A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*

B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.

C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.

D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.

E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.

F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.

G. As a further precaution, only charge the battery in a well-ventilated area.

***Always shield eyes, protect skin and clothing when working near batteries.**

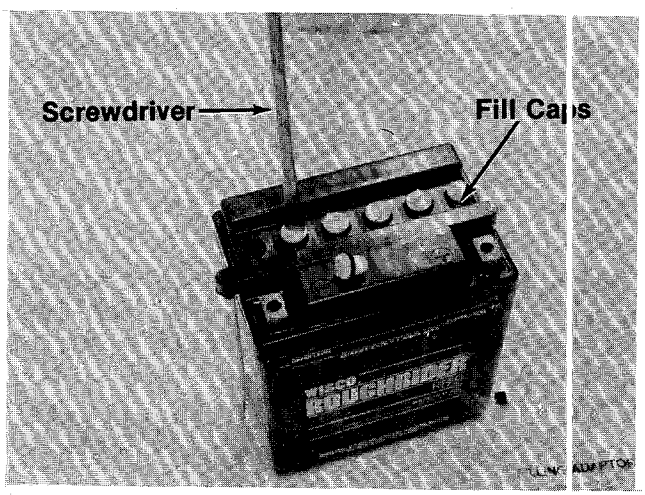


FIGURE 6.

ACTIVATING THE BATTERY

1. Upon opening the battery pack, you should receive acid pack, battery, drain tube, filling adapter and hardware.

DANGER

BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added).

2. Place the battery on table or workbench to be filled.

3. Place one end of clear plastic drain tube on manifold of battery. See figure 6.

NOTE

Some batteries may already have the drain tube installed, in which case it may be necessary to snip off the sealed end.

4. Remove the six fill caps from the top of the battery with a screwdriver. Care should be taken not to damage the fill caps. See figure 6.

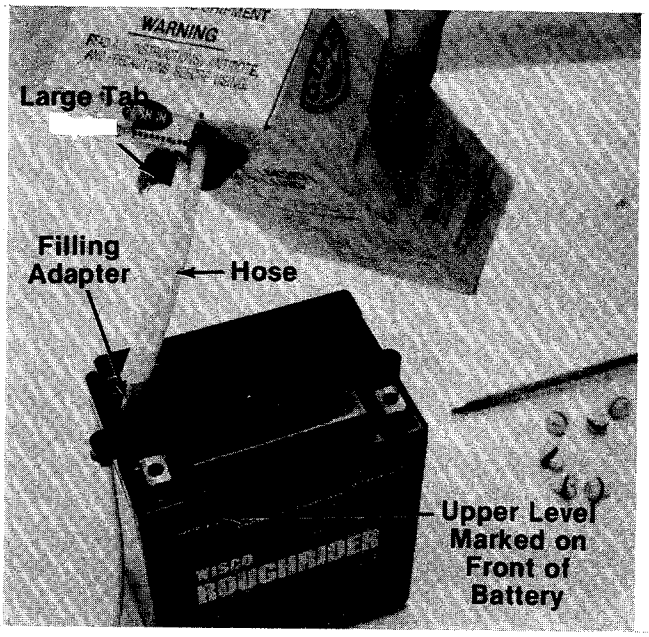


FIGURE 7.

WARNING

Battery contains sulfuric acid. Refer to warning on page 6. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Seek prompt medical attention. EYES: Flush with cool water for at least 15 minutes, then seek immediate medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas.

KEEP BATTERIES
OUT OF THE REACH OF CHILDREN!

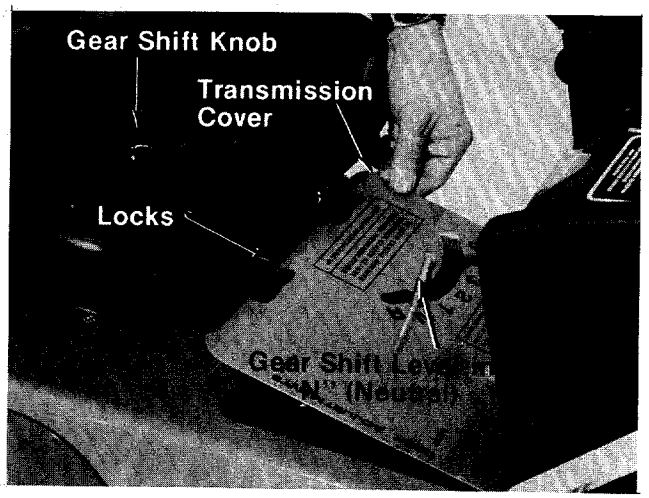


FIGURE 8.

5. Lay acid package down, with "push in" facing up. Using thumb, push in small perforated tab at dot on front of package. Tear down large tab to solid line, exposing hose. **Do not** use a sharp tool or object to open acid package.
6. Pull out hose from package and hold upright. Squeeze hose forcing all acid back into package. Cut off tip of hose and insert filling adapter. See figure 7.
7. Fill each cell to upper level marked on front of battery. Replace fill caps on battery. See figure 7.
8. Allow battery to sit for 20 to 30 minutes. Add additional acid, if necessary, to bring it up to the proper level.
9. The battery can be charged after the 20 minutes sitting period. SLOW CHARGE THE BATTERY (DO NOT FAST CHARGE) a maximum bench rate of 1.4 amperes until the specific gravity reading is 1.260-1.280. Charge for a minimum of 2 hours and a maximum of 8 hours.

NOTE

Charging rate after battery has been put into operation: The battery is to be charged for a period of 14-16 hours, NO LONGER THAN 30 HOURS.

CAUTION

After battery has been in service, add only distilled water. DO NOT ADD ACID.

NOTE

During normal operation, it is only necessary to charge the battery:

1. When it is activated for the first time.
2. Before winter storage.
3. Before using the lawn tractor after winter storage.

INSTALLING THE BATTERY

1. Place the shift lever in the "N" (neutral) position. Unscrew the gear shift lever knob. See figure 8.
2. Push down and turn the locks on the transmission cover. See figure 8.

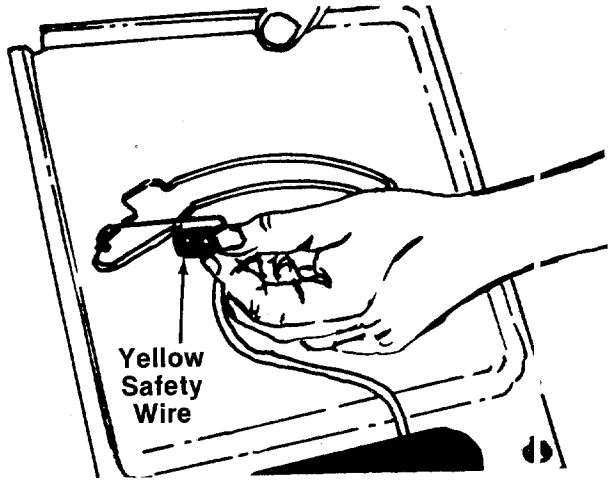


FIGURE 9.

3. Lift the transmission cover. Unplug the yellow safety wire from beneath the transmission cover. See figure 9. Remove transmission cover.

4. Move the shift lever all the way to the left. See figure 10.
5. Hook the hold-down rods (E) into the holes in the frame and lay them off to the sides. See figure 10.
6. Place the battery in the rider so that the positive terminal is towards the left side of the unit. See figure 10.

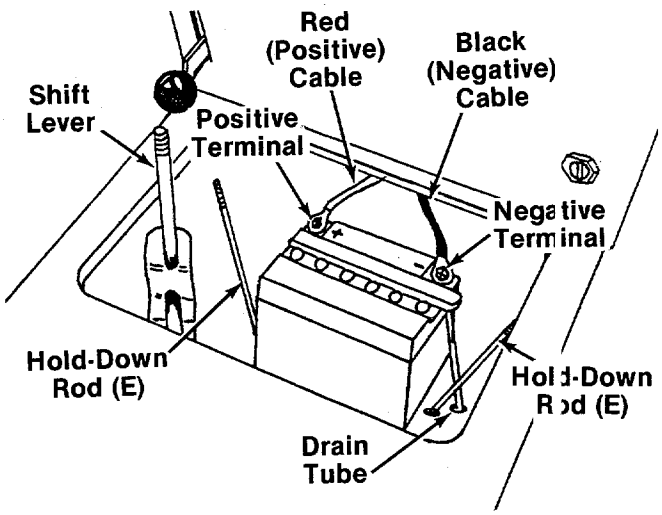


FIGURE 10.

NOTE

Right and left hand side of the unit is determined by sitting on the seat in the operating position facing forward.

7. Feed the end of the battery drain tube through the hole provided in the frame. See figure 10.
8. Slide the square nut (provided with battery hardware) into the positive (+) terminal. Place the positive (heavy red wire) cable and the small red wire on the positive terminal. Secure with screw and lock washer provided. See figure 10.
9. Slide the square nut (provided with battery hardware) into the negative (−) terminal. Place the negative (heavy black wire) cable on the negative terminal. Secure with screw and lock washer provided. See figure 10.

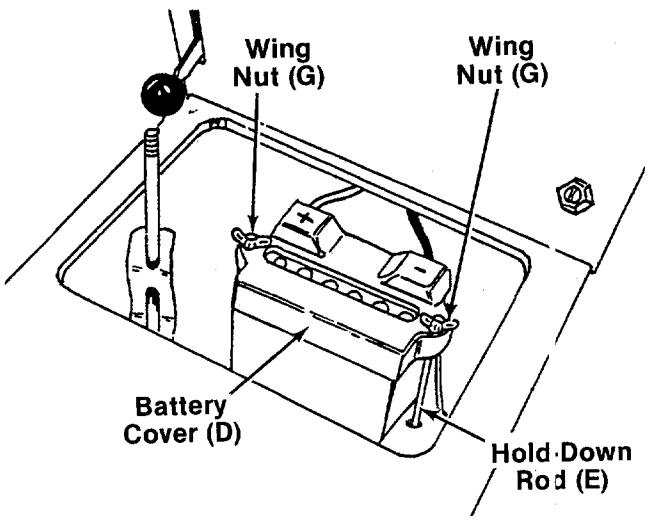


FIGURE 11.

10. Place the battery cover (D) in position over the battery and one hold-down rod. Secure with wing nut (G). Attach other hold-down rod to the other side of battery cover in the same manner. See figure 11.

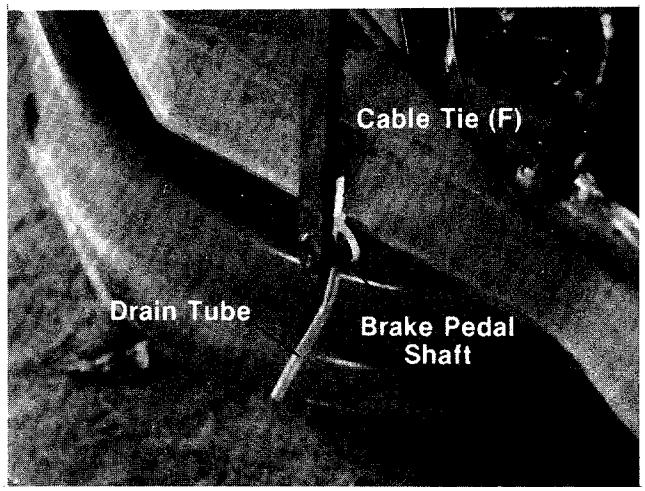


FIGURE 12.

11. Using cable tie (F), secure battery drain tube to the brake pedal shaft assembly. Cut off excess end. See figure 12.

FIGURE 13.

STEERING WHEEL INSTALLATION

1. Place the steering wheel over the steering shaft. See figure 13.
2. Secure with the belleville washer (B) and the 5/16" hex lock nut (C). See figure 13.

NOTE

Install the washer with the cupped side down.

3. Press the cap (A) on the steering wheel by hand.

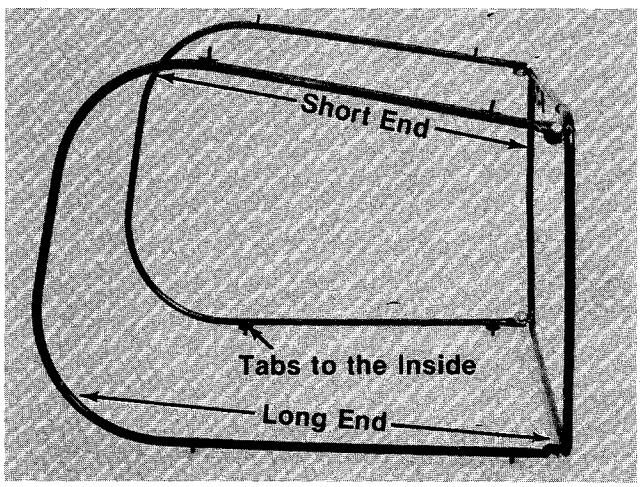


FIGURE 14.

ASSEMBLY OF GRASS CATCHER

NOTE

Figure 14 was photographed without the grass bag for clarity.

1. Place the right and left hand frame sides (X) into the grass bag (Y). The long end of side frame goes to the bottom of the bag.
2. Place the weld bolts on side frames through the eyelets in bag.

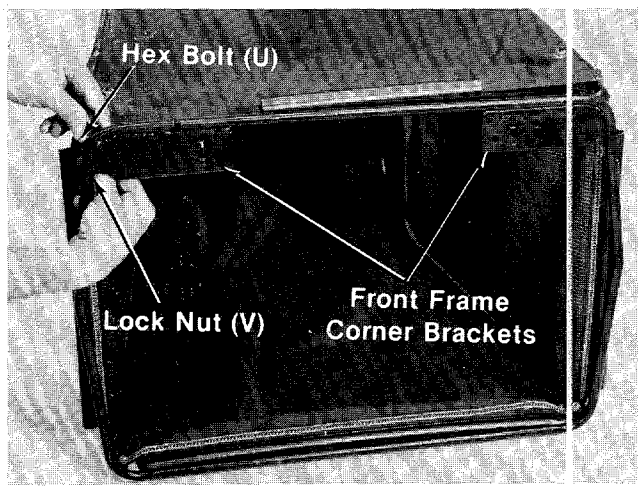


FIGURE 15.

3. Bolt the front frame assembly (corner brackets to the top) to the side frames with four hex bolts (U) and hex lock nuts (V). See figure 15.

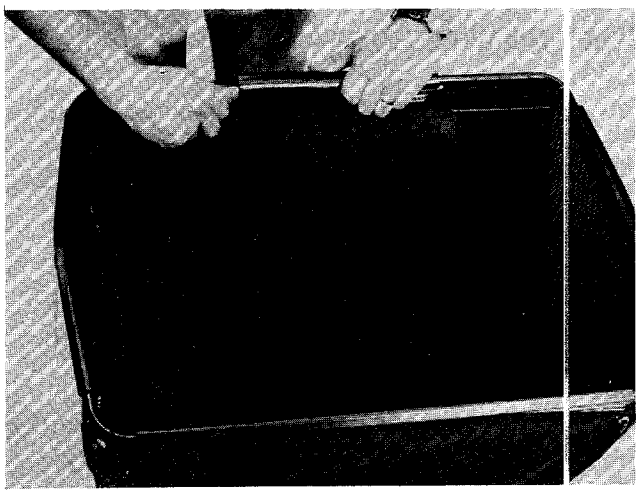


FIGURE 16.

4. Snap the plastic edge of grass bag over frame. See figure 16.

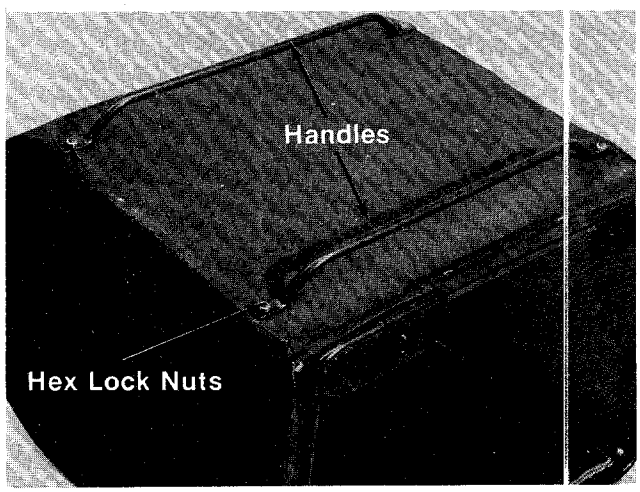


FIGURE 17.

5. Place the grass catcher top side up. Place two handles (AB) in position and secure with four hex lock nuts (V). See figure 17.

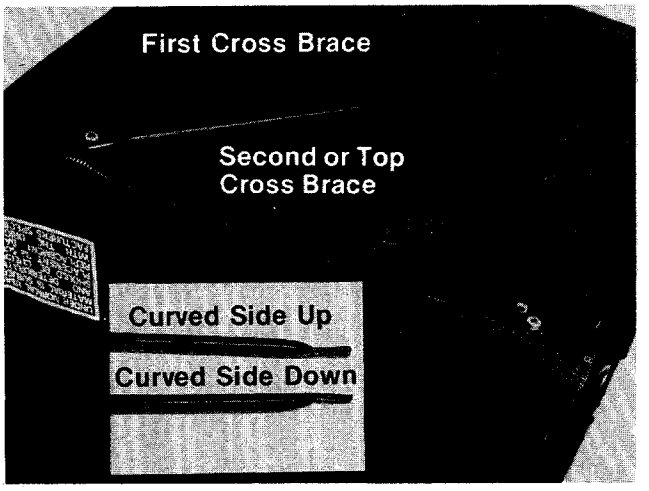


FIGURE 18.

6. Turn the grass catcher over bottom side up. Place the cross braces (AA) in position as shown in figure 18. Please note first brace will have the curved side down. The top brace will be positioned with the curved side up. See figure 18.

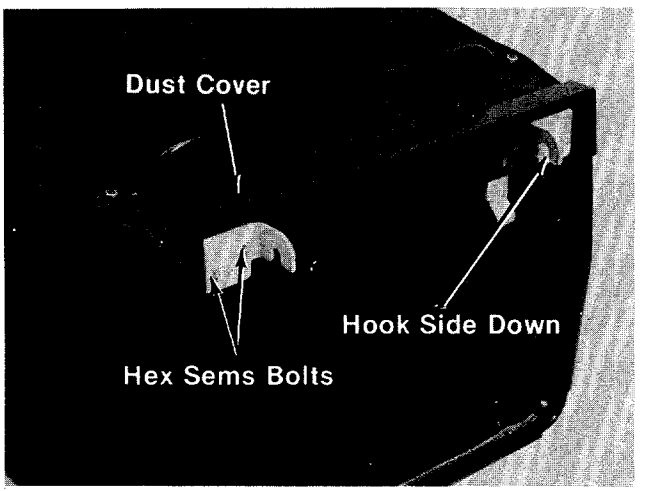


FIGURE 19.

7. Place dust cover (AD) in position on top front of catcher. Place right and left hand hinges (W) in position and secure with hex sems bolts (R), lock washers (S) and hex nuts (T). See figure 19.

   HINT: Hinges will only match the hole pattern one way (hook down).

   Only make bolts finger tight at this time.

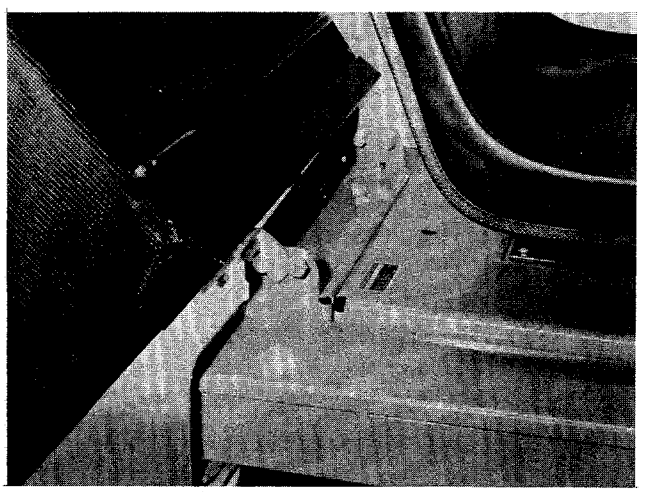


FIGURE 20.

8. Assemble the grass catcher to riding mower. See figure 20.

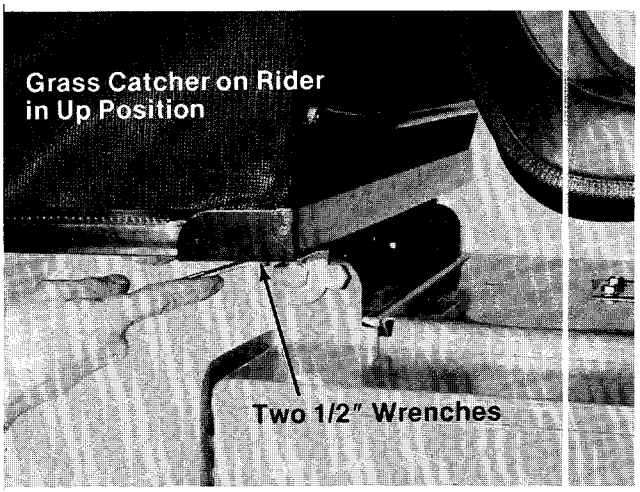


FIGURE 21.

9. Lift the grass catcher all the way up. Have someone hold grass catcher up or block up. Then with two 1/2" wrenches, tighten hinge bracket bolts securely. See figures 21 and 22.

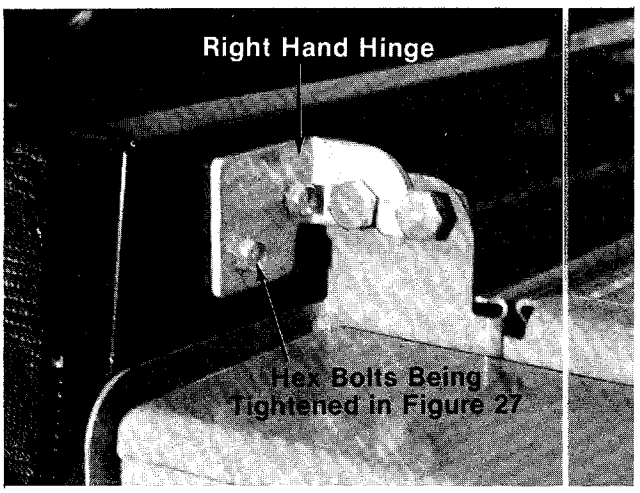


FIGURE 22.

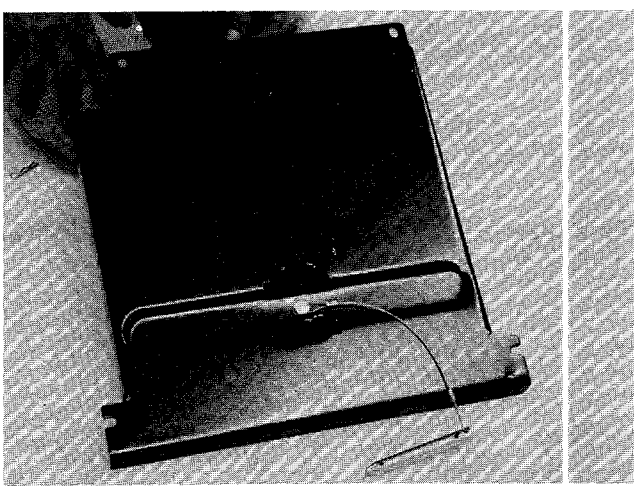


FIGURE 23.

ASSEMBLY OF HITCH PLATE

The hitch plate is used in place of the grass catcher when towing a trailer.

1. Remove the grass catcher.
2. Place the hitch bracket through the hitch plate. Secure with hex bolt (K), lock washers (L) and hex nut (M).

NOTE

Attach the looped end of hitch pin (O) under head of bolt. See figure 23.

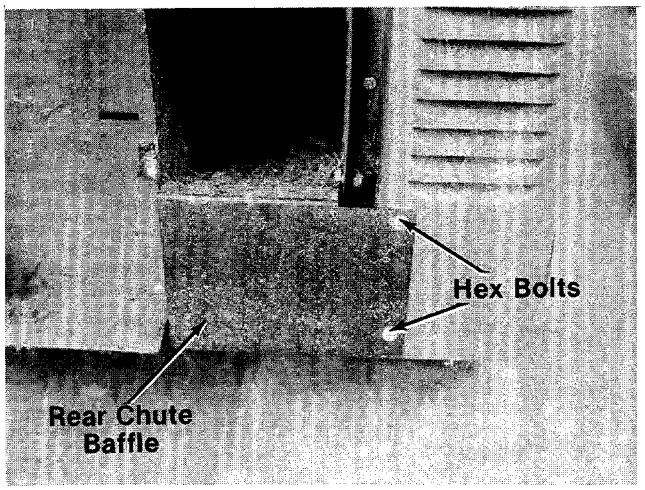


FIGURE 24.

3. Remove the rear chute baffle by removing the two hex bolts, lock washers, and hex nuts used to secure the rear chute baffle to the grass catcher adapter. See figure 24.

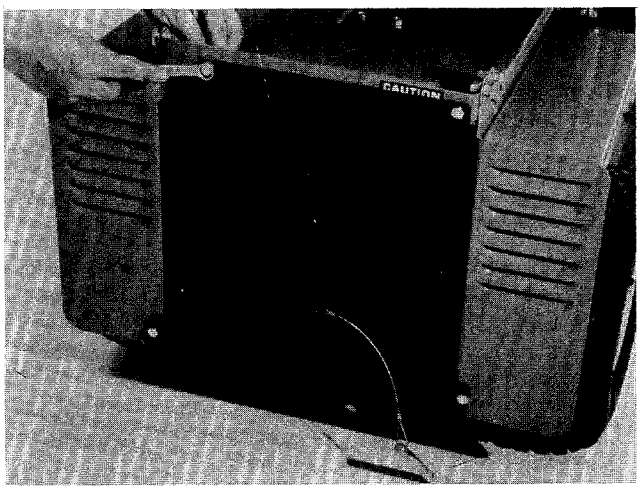


FIGURE 25.

4. Place the rear hitch plate against the discharge opening of the rider. Attach with four 5/16" screws (H), lock washers (I) and nuts (J). See figure 25.

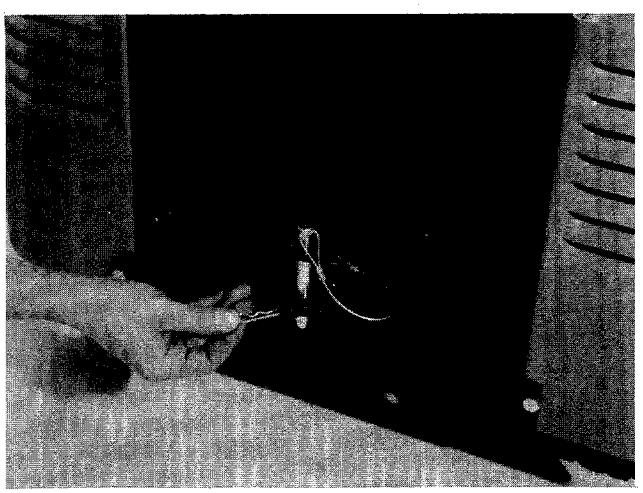


FIGURE 26.

5. Use the hitch pin to secure your attachments to the rider. See figure 26.

TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Recommended operating tire pressure should be 10 p.s.i.

Check sidewall of tire for manufacturer's maximum tire pressure. If this information does not appear on your tire, maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

OPERATION

CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
   a. Shift transmission to neutral
   b. Set parking brake
   c. Disengage attachment clutch
   d. Shut off engine
   e. Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.
5. Look to the rear before backing up.

Throttle Control

The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from 3/4 to full throttle when operating the cutting deck. See figure 27.

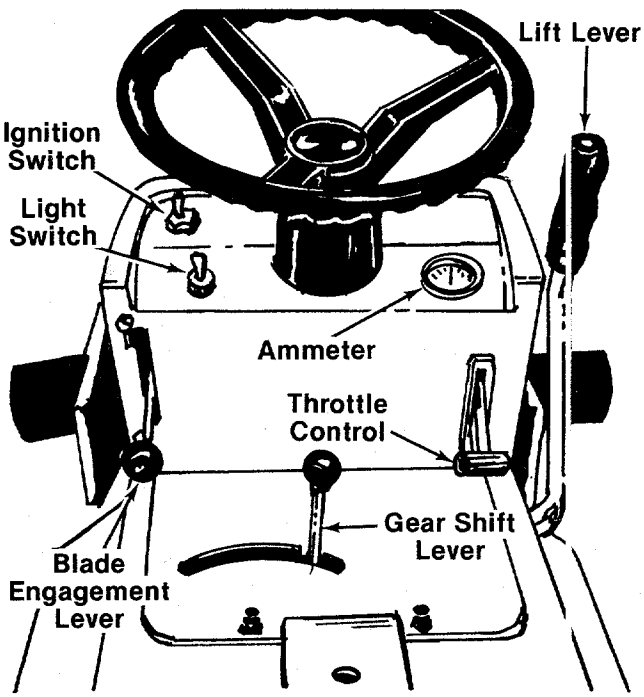


FIGURE 27. Models 528 and 529 Shown

Ignition Switch

The ignition switch is located on the right side of the dashboard. Turn the key to the START position to start the engine. When the engine is running, leave the key in the ON position. To stop the engine, turn the key to the OFF position. See figure 27.

CAUTION

Remove the key from the riding mower when the mower is not in use to prevent accidental starting.

Ammeter (Models 528 and 529 Only)

The ammeter registers the rate of battery charge or discharge. The ammeter should register about 3 amps on the plus (+) side with the engine running fast. The head lamps operate directly from the engine and do not register on the ammeter. See figure 27.

Safety Interlock System

Interlock safety switches are located on the clutch pedal, the blade engagement lever and gear shift lever.

Before the engine will start, the clutch pedal must be depressed all the way and the blade engagement lever must be in the disengaged position.

Before the unit can be shifted into reverse, the blade engagement lever must be in the disengaged position.

The safety interlock system has another switch located on the rear of the rider that is activated when the grass catcher is attached to the rider. If you remove the grass catcher or attempt to dump the grass without shutting off the blade, the engine will stop.

WARNING

Do not operate the rider if the interlock system is malfunctioning because it is a safety device, designed for protection.

Light Switch (Models 528 and 529 Only)

To turn on head lamps, push the switch marked "Lights" located on the left side of the dashboard. See figure 27.

NOTE

The head lamps operate directly from the alternator and only operate when the engine is running.

Gasoline Gauge

The gasoline gauge is located in the gasoline fill cap. The gauge indicates the amount of fuel in the tank.

Clutch Parking Brake Pedal

The clutch parking brake pedal is located on the left side of the rider and is used to disengage the drive mechanism. Depressing the clutch parking brake pedal will disengage the drive and APPLY THE DISC BRAKE TO THE REAR WHEELS. The clutch parking brake pedal must be depressed when you come to a stop, shift gears or start the engine. See figure 28.

Clutch Parking Brake Lock

When the clutch parking brake pedal is depressed all the way, it can be locked in the engaged position by lifting up the lock button. To release, depress the pedal. See figure 28.

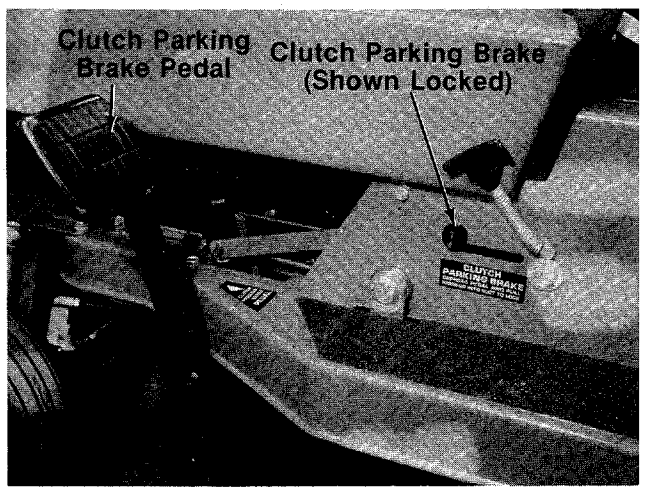


FIGURE 28.

Brake Pedal

The brake pedal is located on the right side of the mower and is operated by depressing it with your right foot. When coming to a complete stop, it is necessary to depress both the clutch parking brake and the brake pedals. See figure 29.

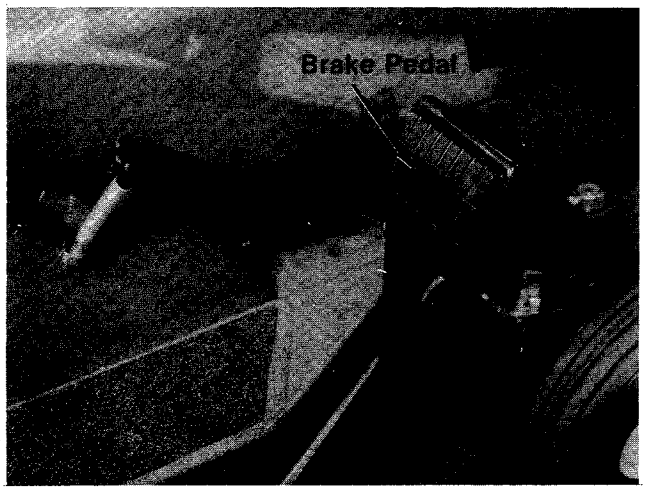


FIGURE 29.

Gear Shift Lever

The five speed transmission has five forward speeds, neutral and reverse. Do not shift normally through the gears on this transmission as in an automobile. Pre-select the gear appropriate for the job you are doing. The list below can be used as a guide to select the proper gear. You must depress the clutch pedal when you stop and when you shift.

1st gear—Heavy Cutting	5th gear—Traveling
2nd gear—Medium Cutting	Neutral
3rd gear—Medium Cutting	Reverse
4th gear—Light Cutting	

Lift Lever

The lift lever is located on the right hand side of the unit. It is used to raise and lower the cutting deck.

There are five cutting heights from 2¼" to 3¾". Set the stop (see figure 30) at the desired cutting height.

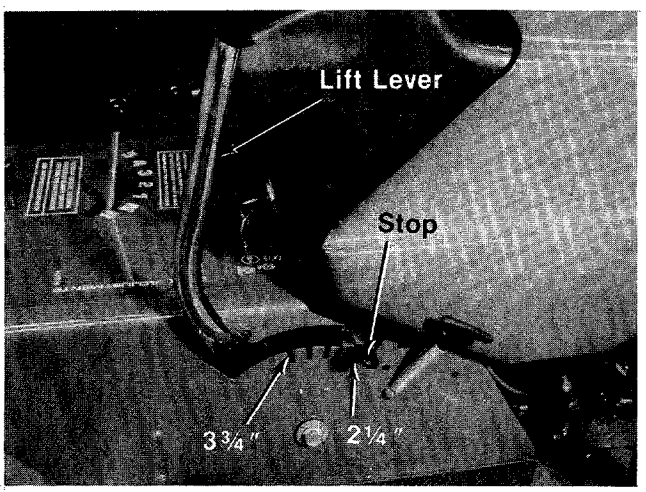


FIGURE 30.

CAUTION

The blade does not shut off when the deck is raised. You must place the Blade Engagement Lever in the raised (OFF) position.

Blade Engagement Lever

To engage the cutting blade, raise the Blade Engagement Lever up and to the left. It will lock in this position. To disengage the blade, move the Blade Engagement Lever to the right and lower it slowly. The blade must be shut off in order to start the engine or to dump the grass catcher. See figure 31.

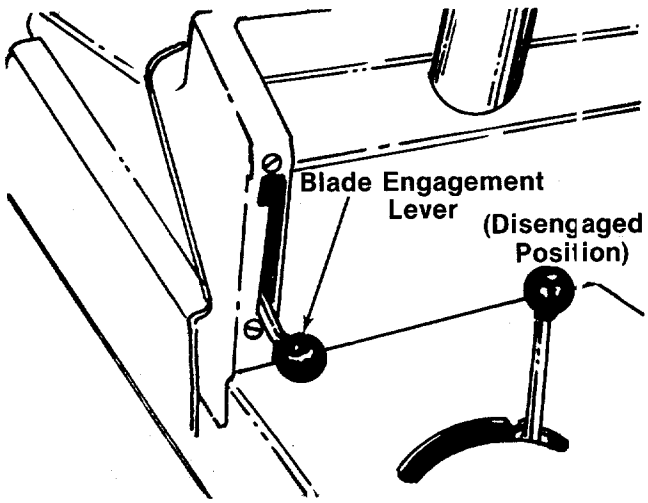


FIGURE 31.

Grass Catcher Operation

WARNING

The grass catcher is a part of the riding mower. The riding mower should not be operated without the grass catcher in place.

The grass catcher can be removed to dump the clippings by grasping both handles and lifting the rear handle first to tip the catcher slightly, and then remove it completely. To attach, hook the hinges on the catcher over the REAR pins on the riding mower. See figure 32.

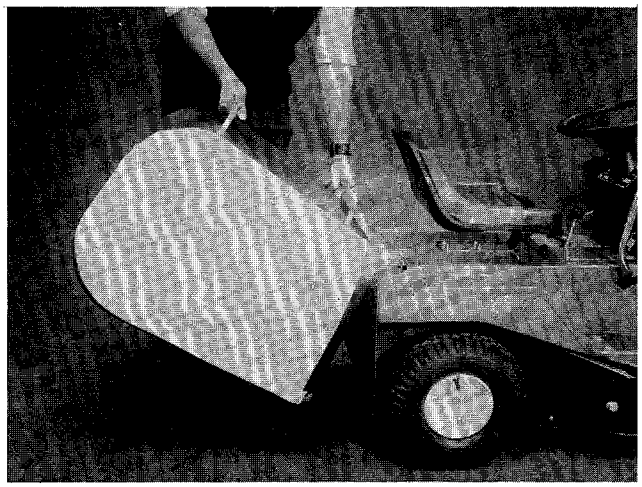


FIGURE 32.

To dump the grass, grasp the rear handle and pull it towards you. See figure 33.

CAUTION

The Blade Engagement Lever must be in the disengaged position or the engine shut off before dumping or removing the grass catcher.

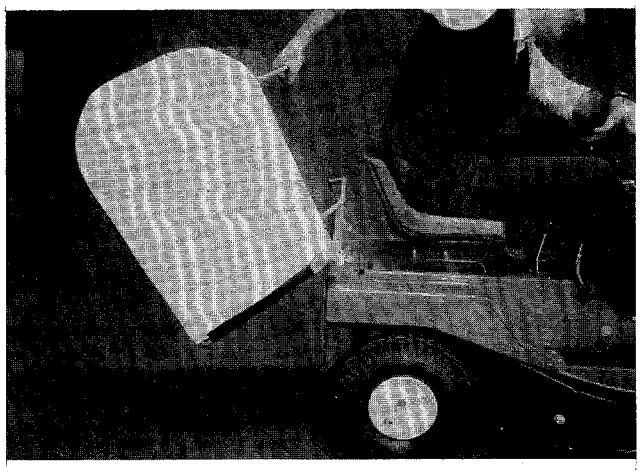


FIGURE 33.

IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

NOTE

Under normal usage the grass catcher is subject to wear, and should be checked periodically. Be sure any replacement complies with the mower manufacturer's recommendation.

ADJUSTMENTS

CAUTION

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

CHAIN ADJUSTMENT

After the first five hours of operation, the initial slack should be removed from the chain. The chain should be tight enough so that it deflects approximately ½ inch when it is depressed with the thumb.

1. To tighten the chain, loosen the two nuts on each side of the frame holding the differential bracket to the frame. See figure 34.

NOTE

These are located under the frame.

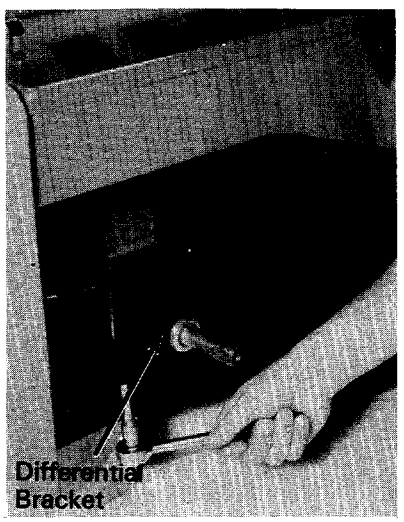


FIGURE 34.

2. Remove the rear chute baffle. Refer to figure 24.
3. Tighten the adjusting nuts as shown in figure 35 until you have the proper tension.
4. Tighten the nuts holding the differential bracket to the frame.

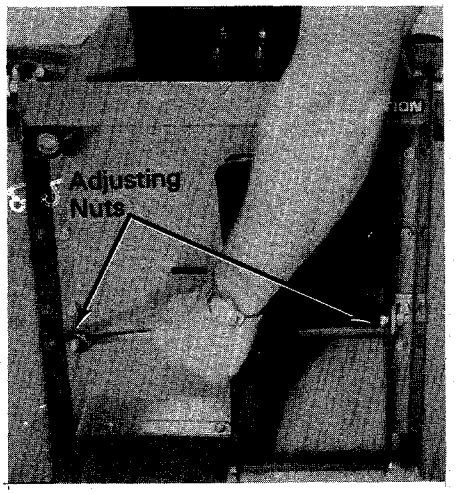


FIGURE 35.

BRAKE ADJUSTMENT

During normal operation of this machine, the brakes are subject to wear and will require periodic examination and adjustment.

To adjust the brake, tighten the lock nut one-half turn and then test the brake. The brake stops the rider by gripping the sprocket on the rear axle. See figure 36.

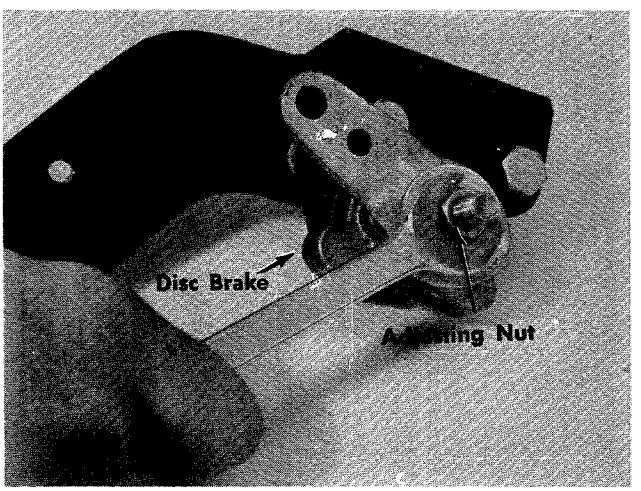


FIGURE 36.

WHEEL ALIGNMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the mower. The front wheels should toe-in 1/8 inch. See figure 37. To adjust, follow these steps:

1. Remove the cotter pin holding the ferrule to the axle bracket. See figure 37.

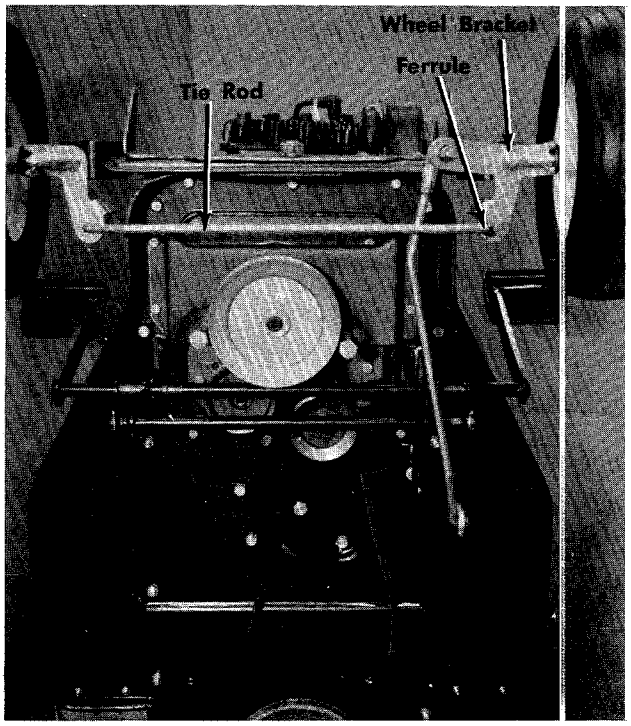


FIGURE 37.

2. Adjust the ferrule in or out until the wheels toe-in approximately 1/8".

3. Replace the ferrule into the wheel bracket and replace the cotter pin.

CARBURETOR ADJUSTMENT

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

To adjust the carburetor, refer to the separate engine manual packed with your unit.

LUBRICATION

SPECIFICATIONS:
(Lubricate once a season or after every 25 hours of operation.)

Oil—Use SAE 30 or equivalent.

Grease—Use automotive multi-purpose grease, except in the differential and transmission.

Grease (Transmission and Differential)—Use E.P. Lithium grease.

NOTES:

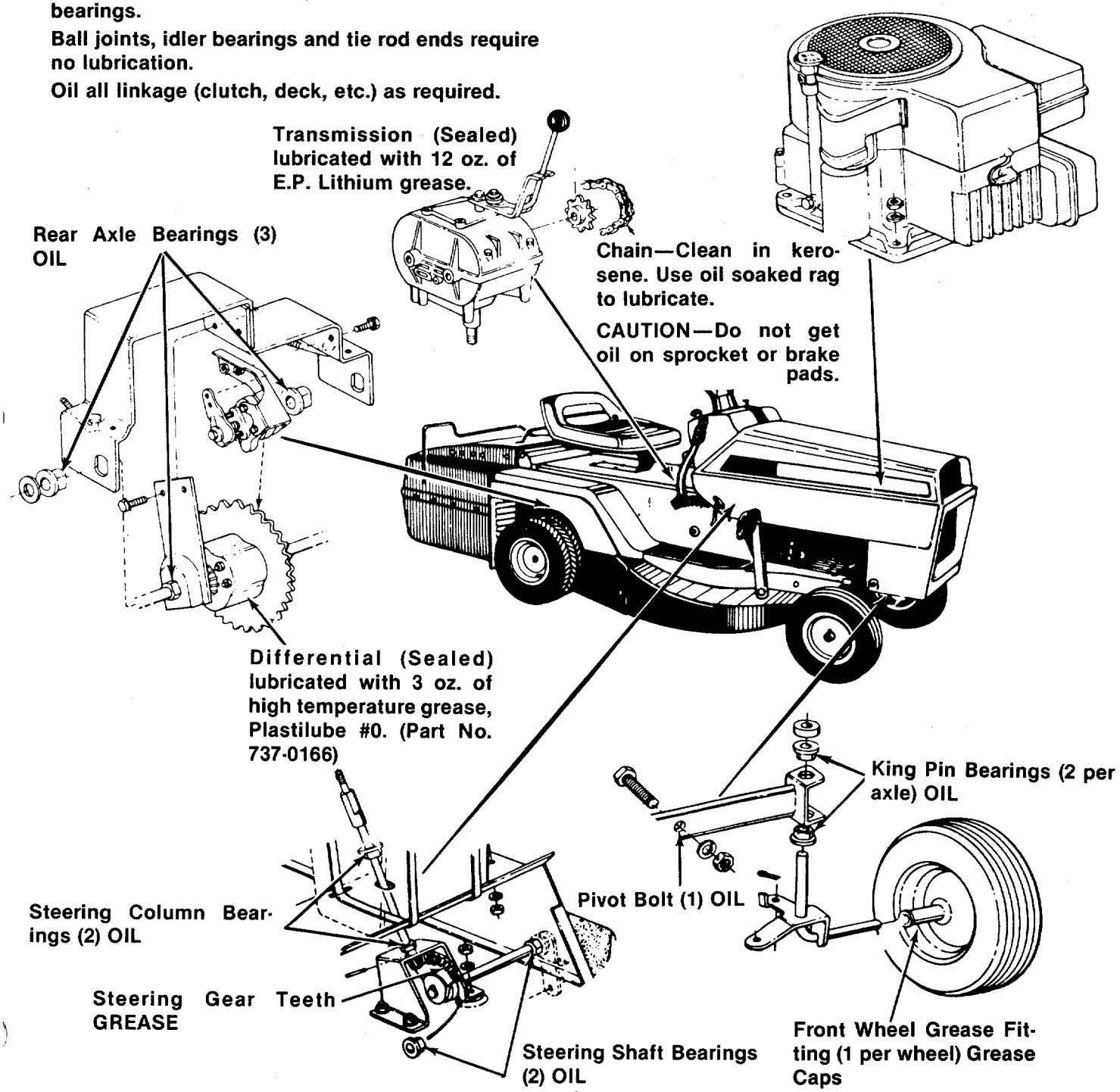
When operating in sandy areas, do not oil the bearings.

Ball joints, idler bearings and tie rod ends require no lubrication.

Oil all linkage (clutch, deck, etc.) as required.

Engine—Remove oil fill plug and add oil until it is full to point of overflowing or to full mark on dipstick. Above Freezing Temperature, use oil with viscosity grade SAE 30 or SAE 10W-30.

Below Freezing Temperature, use oil with viscosity grade SAE 5W-20, SAE 5W-30 or SAE 10W.


Transmission (Sealed) lubricated with 12 oz. of E.P. Lithium grease.
Rear Axle Bearings (3) OIL
Chain—Clean in kerosene. Use oil soaked rag to lubricate.
CAUTION—Do not get oil on sprocket or brake pads.
Differential (Sealed) lubricated with 3 oz. of high temperature grease, Plastilube #0. (Part No. 737-0166)
King Pin Bearings (2 per axle) OIL
Pivot Bolt (1) OIL
Steering Column Bearings (2) OIL
Steering Gear Teeth GREASE
Steering Shaft Bearings (2) OIL
Front Wheel Grease Fitting (1 per wheel) Grease Caps

MAINTENANCE

WARNING

Disconnect spark plug wire and ground it against the engine before performing any repairs or maintenance.

CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

Oil Check

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil should be kept between the add and full marks on the dipstick or full to point of overflowing.

After the first five hours of operating a new engine, drain the oil from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. Refer to the engine manual.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. To service air cleaner, refer to the separate engine manual packed with your unit.

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

BELTS

Be certain belts are free of oil or dirt. Wipe the belts periodically with a clean rag.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season. Check engine manual for correct plug type and gap specifications.

CUTTING BLADE

A. Removal for Sharpening or Replacement

WARNING

Be sure to disconnect and ground the spark plug wire before working on the cutting blade to prevent accidental engine starting.

1. Remove large bolt and lock washer which holds the blade and adapter to the blade spindle. See figure 38.

2. Remove the blade and adapter from the spindle. Be careful not to lose the key on the spindle.

3. If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

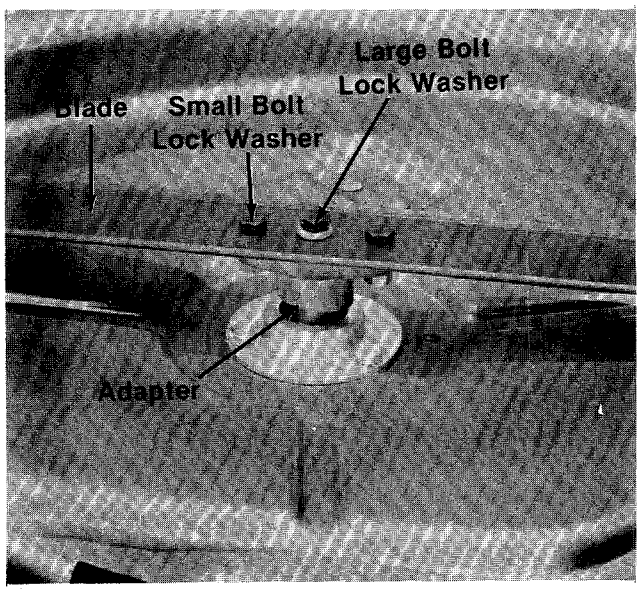


FIGURE 38.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

NOTE

It is recommended that the blade always be removed from the adapter for the best test of balance.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position. Make certain key is in place on the blade spindle.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

BELT REMOVAL AND REPLACEMENT

Preparation

WARNING

Disconnect the spark plug wire and ground it against the engine.

1. To prevent gasoline from leaking from the engine, remove the gasoline cap, place a piece of plastic film on the neck of the gasoline tank and screw on the cap.
2. Remove the grass catcher.
3. Remove the battery.
4. Depress the clutch and lock it.
5. Lift the front end of the rider up and rest it on the rear frame. It will balance in this position.
6. Do not leave the mower in this position any longer than necessary as oil may get into the cylinder head. If this occurs, remove the spark plug and crank the engine to clear the oil.

Deck Belt Removal

1. Place the Blade Engagement Lever in the disengaged position.
2. Remove the two shoulder bolts by the engine pulley. See figure 39.

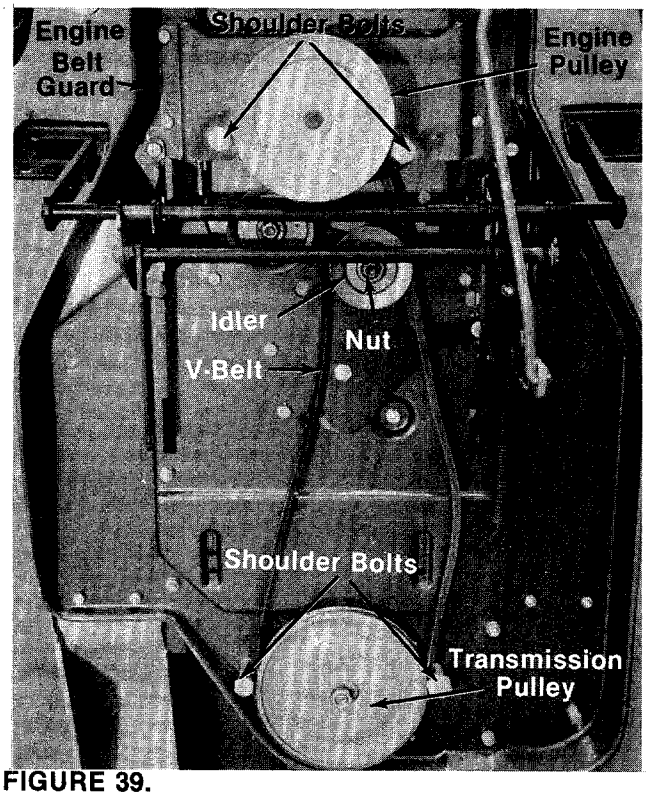


FIGURE 39.

3. Remove the belt keeper on the cutting deck. See figure 40.
4. Remove the nut from the idler on the cutting deck and remove the idler. See figure 40.

NOTE

The long side of the hub on the V-idler goes towards the deck.

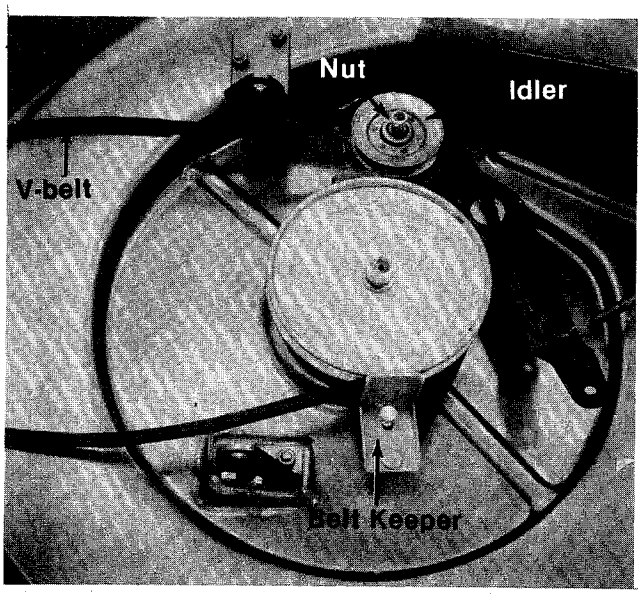


FIGURE 40.

5. Remove the two shoulder bolts from the engine pulley. See figure 39.
6. Remove the belt from the engine pulley.
7. Depress the clutch pedal and lock it in the disengaged position.
8. Remove the engine belt guard. See figure 39.
9. Remove the nut on the V-idler and slide the idler off the bracket. See figure 39.

NOTE

The long side of the hub on the idler goes towards the frame.

10. Remove the two shoulder bolts by the transmission pulley. See figure 39.
11. Remove the nut on the transmission pulley and remove the pulley.

NOTE

The short side of the hub on the pulley goes towards the frame.

12. Remove the belt and reassemble with a new belt.
13. Remove plastic from beneath gasoline cap.

BATTERY REMOVAL OR INSTALLATION

WARNING

When removing the battery, follow this order of disassembly to prevent the screwdriver from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
2. Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.

WARNING

Failure to use this starting procedure could cause sparking, and the gas in either battery could explode.

BATTERY MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is above the lowest line on battery. Add only distilled water or good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose hold downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte

NOTE

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

INSTALLATION OF TIRE TO RIM

The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.
3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

OFF-SEASON STORAGE

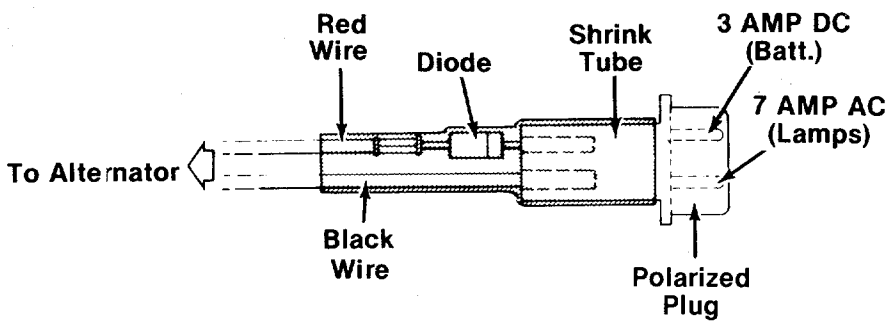
If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. Refer to battery storage instructions in previous column.
5. Store unit in a clean, dry area.

CAUTION

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

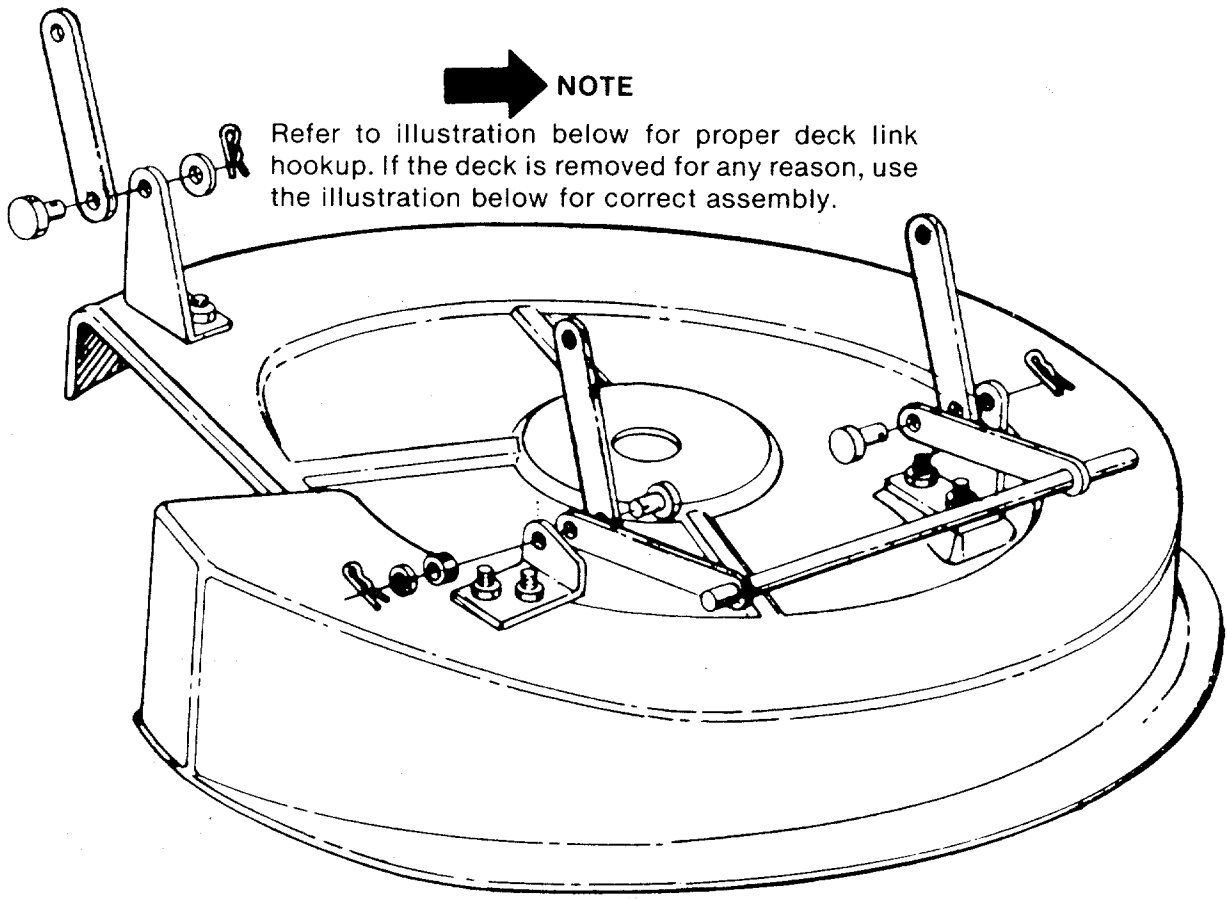
TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incorrectly	The battery must be installed with the negative, identified at the terminal post by (Neg, N or -), grounded. The positive (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blown fuse or circuit breaker	Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrican's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Battery is dead or weak	Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit Check for grounded wire. (3) Charging system not working, either engine alternator or trickle charger. **Trickle Charger.** Check with multimeter. Charger 725-0578—input 120 V A.C., no load output 13.5 V D.C., rated load current 1 amp. Charger 725-0507—input 120 V A.C., no load output 17.4 V D.C., rated load current 1/2 amp. **Alternator** (dual or single circuit) The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.  The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not,the alternator (stator) or lead wire is bad and should be replaced.
	Mechanical failure. (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. **If the engine does not crank:** (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary.
Engine cranks but will not start	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke (if separate control) for starting.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

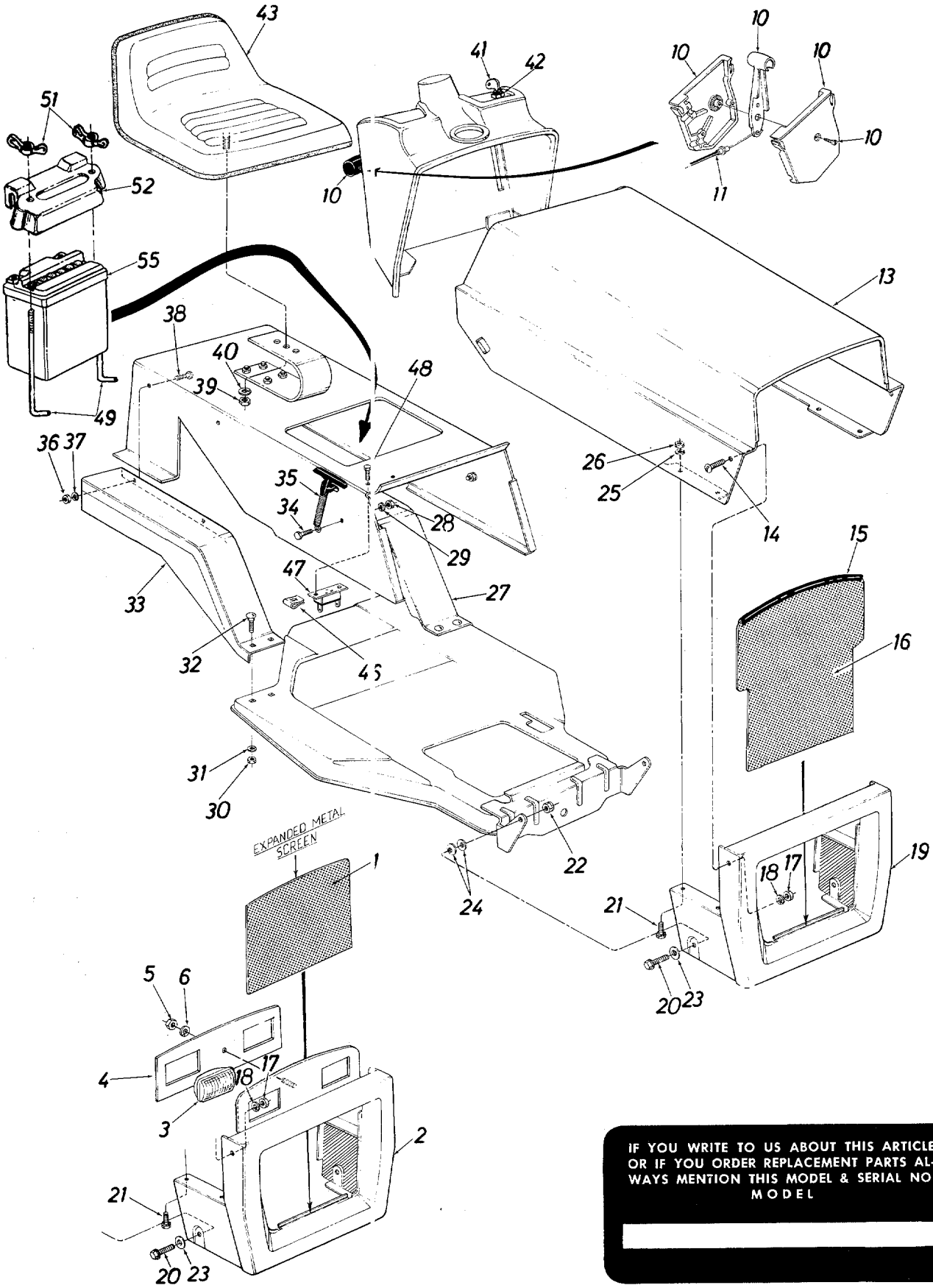
TROUBLE	LOOK FOR	REMEDY
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel valve shut off. Open valve. Valve is located either at the bottom of the fuel tank or on the carburetor. Fuel line plugged. Remove and clean.
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
Engine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
Excessive vibration	Bent or damaged blade spindle	**Stop engine immediately.** Check all pulleys, blade spindles, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.
	Bent blade	**Stop engine immediately.** Replace damaged blade. Only use original equipment blades.
Mower will not discharge grass or leaves uncut strips	Engine speed low Transmission selection Blades short or dull	Throttle must be set between 3/4 and full throttle. Use lower transmission gear. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only).

NOTE

Refer to illustration below for proper deck link hookup. If the deck is removed for any reason, use the illustration below for correct assembly.



Models 526, 528 and 529



IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL

Models 526, 528 and 529

PARTS LIST FOR MODELS 526, 528 AND 529 RIDING MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	12903		Screen—Grille (528 & 529)	
2	12901	—462	Grille Ass'y. (528 & 529)	
3	725-0417		Head Light (528 & 529)	
4	10795		Head Light Retainer (528 & 529)	
5	712-0121		Hex Nut #10-24 Thd.	
6	736-0722		L-Wash. #10 I.D.	
10	831-0692		Throttle Control Box Ass'y.	
11	746-0500		Throttle Control Wire	
13	12451	—447	Hood—Front	
14	710-0286		Truss Hd. Mach. Scr. ¼-20 x .50" Lg.*	
15	731-0130		Extruded "U"-Channel 22.50" Lg. (526)	
16	12475		Screen—Grille (526)	
17	712-0287		Hex Nut ¼-20 Thd.*	
18	736-0329		L-Wash. ¼" Scr.*	
19	12456	—462	Grille Ass'y. (526)	
20	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*	
21	710-0211		Hex Sems Scr. ¼-20 x .75" Lg.*	
22	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
23	736-0140		Fl-Wash. .385 I.D. x .620 O.D. x .063	
24	736-0105		Bell-Wash. .400 I.D. x .88 O.D.	
25	736-0329		L-Wash. ¼" Scr.*	
26	712-0287		Hex Nut ¼-20 Thd.*	
27	12715	—462	Fender Ass'y. L.H.	
28	712-0287		Hex Nut ¼-20 Thd.*	
29	736-0329		L-Wash. ¼" Scr.*	
30	712-0287		Hex Nut ¼-20 Thd.*	
31	736-0329		L-Wash. ¼" Scr.*	
32	710-0134		Carriage Bolt ¼-20 x .62" Lg.*	
33	12712	—462	Fender Ass'y. R.H.	
34	710-0258		Hex Scr. ¼-20 x .62" Lg.*	
35	723-0296		Hood Lock Ass'y.	
36	712-0121		Hex Nut 10-24 Thd.*	
37	736-0147		Wash. #10 Scr. Ext.*	
38	710-0425		Truss Hd. Mach. Scr. 10-24 x .62" Lg.*	
39	712-0206		Hex Nut ½-13 Thd.*	
40	736-0921		L-Wash. ½" Scr.*	
41	725-0201		Ignition Key	
42	725-0267		Ignition Switch	
43	757-0264		Seat Ass'y.—Comp.	
46	726-0156		Speed Nut 10-24	
47	725-0459		Circuit Breaker	
48	710-0425		Truss Hd. Mach. Scr. #10-14 x .62" Lg.*	
49	711-0222		Hold-Down Rod	
51	712-0113		Wing Nut ¼-20 Thd.	
52	731-0708		Battery Cover	
55	725-0514		12V Battery	

(462—Red Flake)

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

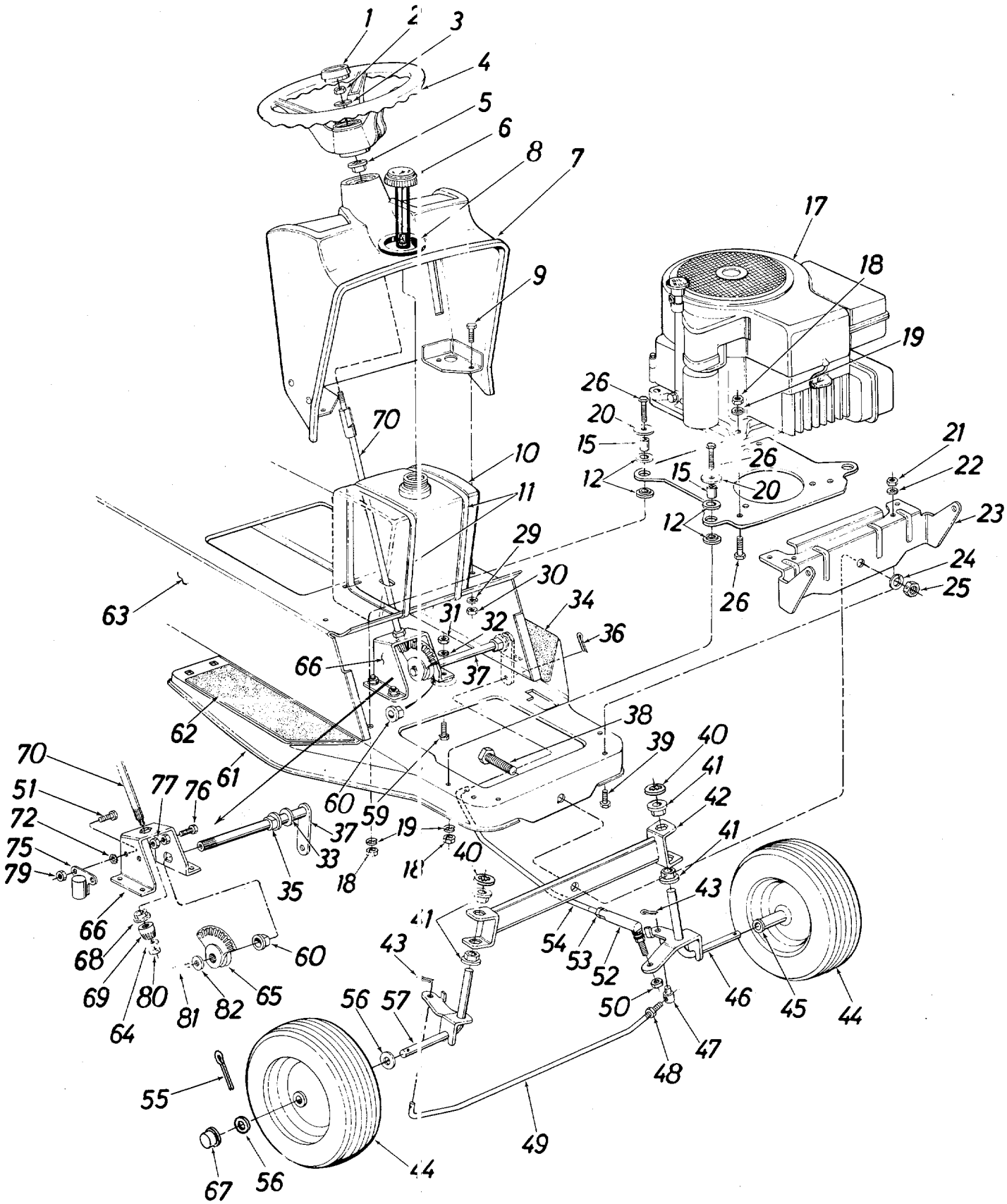
When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Red Flake Finish—12451 (462).)

NOTE: The engine is not under warranty by the mower manufacturer...If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

Models 526, 528 and 529



Models 526, 528 and 529

PARTS LIST FOR MODELS 526, 528 AND 529 RIDING MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap		42	13274	—462	Pivot Bar Ass'y.	
2	712-0158		Hex Cent. L-Nut 5/16-18 Thd.		43	714-0474		Cotter Pin 1/8" Dia. x .75" Lg.*	
3	736-0242		Bell-Wash. .345 I.D. x .88 O.D.		44	**		Front Wheel Ass'y.—(See Chart Below)	
4	731-0219		Steering Wheel		45	741-0313		Flange Bearing	
5	741-0225		Hex Flange Bushing .63" I.D.		46	12491	—462	Front Axle Ass'y.—L.H.	
6	723-0155		Fuel Gauge—Cap		47	711-0198		Pivot Bushing	
7	15942		Dash Panel Ass'y. (526)		48	712-0711		Hex Jam Nut 3/8-24 Thd.*	
	15941		Dash Panel Ass'y. (528 & 529)		49	747-0144		Tie Rod	
8	735-0179		Rubber Grommet (Fuel Tank Neck)		50	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
9	710-0211		Hex Sems Scr. ¼-20 x .75" Lg.*		51	710-0289		Hex Scr. ¼-20 x .50" Lg.*	
10	751-0172		Fuel Tank		52	723-0156		Ball Joint Ass'y.	
11	726-0209		Cable Tie (Fuel Tank)		53	712-0711		Hex Jam Nut 3/8-24 Thd.*	
12	722-0153		Engine Mounting Grommet		54	747-0158		Drag Link	
15	750-0539		Spacer		55	714-0470		Cotter Pin 1/8" Dia. x 1.25" Lg.*	
17	—		Engine		56	736-0156		Fl-Wash. .630 I.D. x 1.120 O.D. x .100	
18	712-0123		Hex Nut 5/16-24 Thd.*		57	12492	—462	Front Axle Ass'y.—R.H.	
19	736-0119		L-Wash. 5/16" Scr.*		59	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
20	736-0231		Fl-Wash. .34" I.D. x 1.12" O.D. x .125		60	741-0199		Flange Brg. w/Flats	
21	712-0267		Hex Nut 5/16-18 Thd.*		61	12600	—462	Front Frame Ass'y.	
22	736-0119		L-Wash. 5/16" Scr.*		62	723-0306		Foot Pad—R.H.	
23	12467	—462	Front Pivot Bracket		63	12450	—462	Rear Frame	
24	736-0158		L-Wash. 5/8" Scr.*		64	736-0264		Fl-Wash. 5/16" Scr.	
25	712-0923		Hex Cent. L-Nut 5/8-18 Thd.		65	748-0236		Side Gear	
26	710-0158		Hex Scr. 5/16-24 x 1.25 H.T.		66	12851		Steering Gear Support Ass'y.	
27	16040		Engine Base Plate						
29	736-0329		L-Wash. ¼" Scr.*		67	731-0484		Hub Cap	
30	712-0287		Hex Nut ¼-20 Thd.*		68	741-0226		Hex Flange Bushing .50" I.D.	
31	712-0267		Hex Nut 5/16-18 Thd.*						
32	736-0119		L-Wash. 5/16" Scr.*		69	748-0237		Pinion Gear	
33	736-0134		Fl-Wash. .812 I.D. x 1.38 O.D. x .100		70	738-0325		Steering Shaft	
					72	736-0222		Ext. L-Wash. ¼" Scr.*	
34	723-0307		Foot Pad—L.H.		75	725-0771		Solenoid	
35	741-0199		Flange Brg. w/Flats		76	710-0670		Hex Scr. Nylon 3/8-16 x 1.25" Lg.	
36	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*		77	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
37	12815		Steering Arm Ass'y.						
38	710-0622		Hex Scr. 5/8-18 x 1.62" Lg.		79	712-0287		Hex Nut ¼-20 Thd.*	
39	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*		80	712-0237		Hex Cent. L-Nut 5/16-24 Thd.	
40	726-0159		Push Nut		81	710-0180		Hex Scr. 3/8-24 x .75" Lg.*	
41	741-0225		Hex Flange Bushing .62" I.D.		82	736-0105		Bell-Wash.	

**Front Wheel Available

Front Wheel	Pneumatic	Semi-Pneumatic
Assembly Comp.	734-1184	734-0949
Tire Only	734-1185	—
Rim Only	734-1183	—
Grease Fitting	737-0146	737-0146

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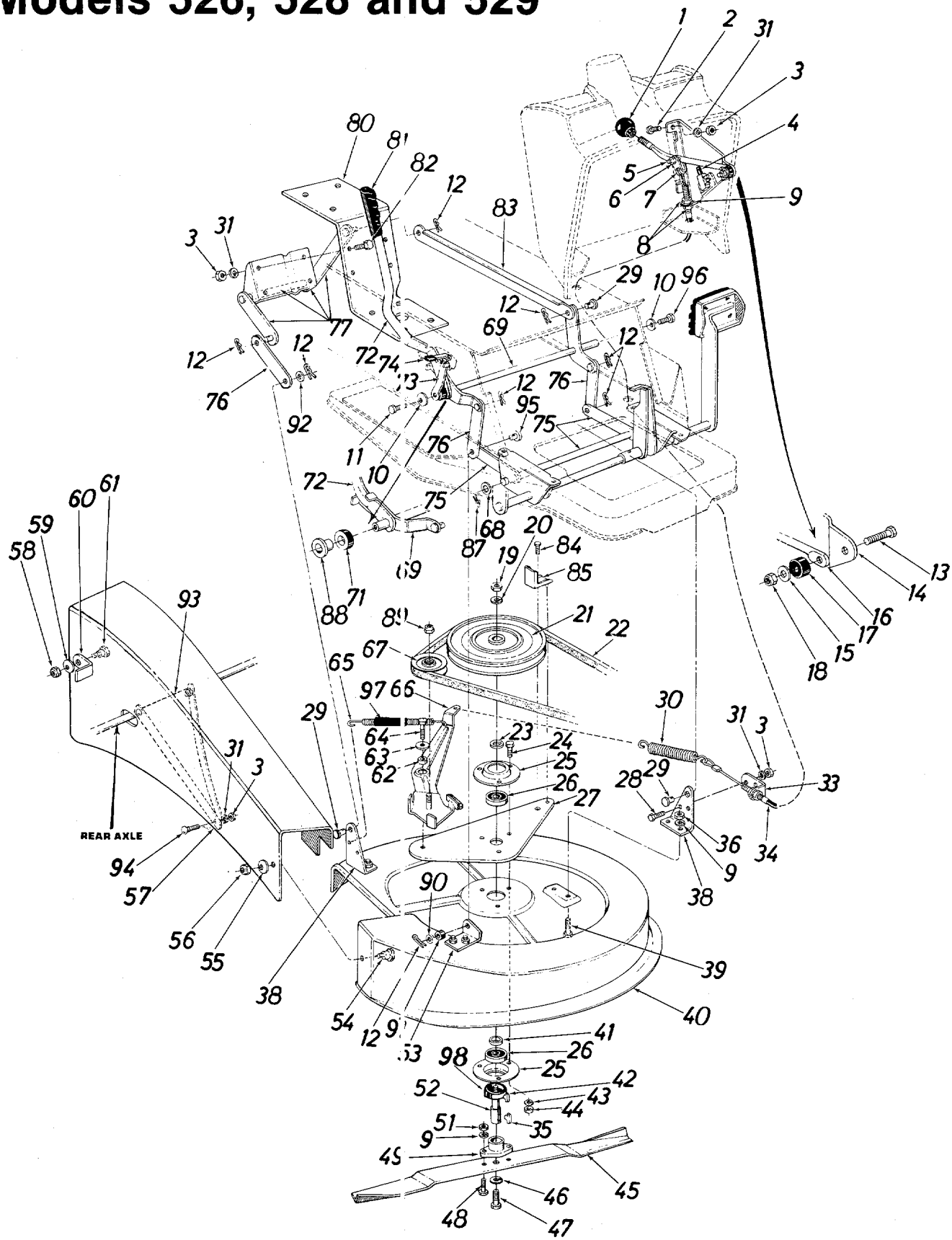
Models 526, 528 and 529

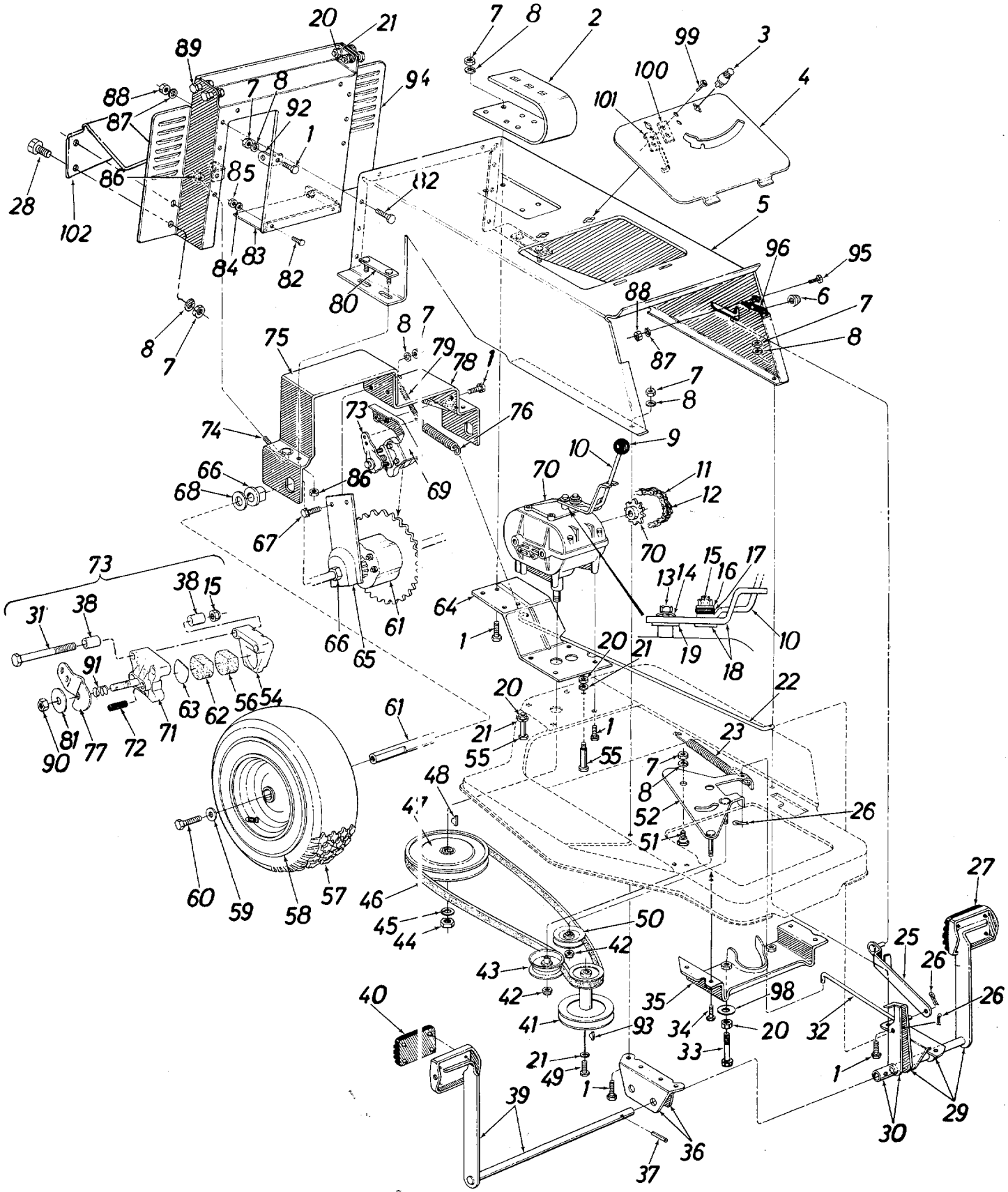


Models 526, 528 and 528 and 529

PARTS LIST FOR MODELS 526, 528 AND 529 RIDING MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-0165		Ball Knob	
2	710-0286		Truss Mach. Scr. ¼-20 x .50" Lg.*	
3	712-0287		Hex Nut ¼-20 Thd.*	
4	725-0465		Safety Switch (Blade Clutch)	
5	710-0282		Weld Pin .250 Dia. x .62" Lg.	
6	726-0106		Push Cap .250 Dia.	
7	761-0145		Clevis	
8	712-0256		Hex Jam Nut 5/16-24 Thd.*	
9	736-0119		L-Wash. 5/16" Scr.*	
10	736-0219		Bell-Wash. .400 I.D. x 1.110 O.D.	
11	710-0502		Hex Wash. Hd. Self-Tap Scr. 3/8-16 x 1.25" Lg.	
12	714-0101		Internal Cot-Pin ½" Dia.	
13	710-0106		Hex Scr. ¼-20 x 1.25" Lg.*	
14	12476		Deck Clutch Control Brkt.	
15	736-0173		Fl-Wash. .280 I.D. x .750 O.D. x .063	
16	747-0157		Blade Clutch Lever	
17	735-0165		Rubber Washer	
18	712-0107		Hex Cent. L-Nut ¼-20 Thd.	
19	712-0261		Hex Nut 5/8-11 Thd.*	
20	736-0158		L-Wash. 5/8" Scr.*	
21	756-0143		Deck Pulley	
22	754-0195		"V"-Belt "A" or ½" x 54" Lg.	
23	748-0168		Spacer	
24	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
25	08253		Bearing Housing	
26	741-0919		Ball Brg. .787 I.D. x 1.850 O.D.	
27	12453		Deck Belt Guard Plate	
28	710-0211		Hex Sems Scr. ¼-20 x .75" Lg.*	
29	711-0332		Lift Brkt. Pin Special	
30	732-0180		Extension Spring .73 O.D. x 4.31" Lg.	
31	736-0329		L-Wash. ¼" Scr.*	
33	12509		Cable Bracket	
34	746-0253		Clutch Control Cable 26.88" Lg.	
35	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
36	712-0267		Hex Nut 5/16-18 Thd.*	
38	12531		Deck Bracket	
39	710-0451		Carriage Bolt 5/16-18 x .75"*	
40	12455	—452	26" Deck—Rear Discharge	
41	750-0142		Spacer .836 I.D. x 1.01 O.D. x .320 Lg.	
42	714-0388		#61 Hi-Pro Key 3/16 x 5/8" Dia.	
43	736-0119		L-Wash. 5/16" Scr.*	
44	712-0267		Hex Nut 5/16-18 Thd.*	
45	742-0194		26" Blade	
46	736-0217		L-Wash. 3/8" Scr. H.D.	
47	710-0459		Hex Scr. 3/8-24 x 1.50" Lg. H.T.	
48	710-0117		Hex Scr. 5/16-24 x 1.00" Lg. H.T.	
49	10769		Blade Adapter Kit	
51	712-0123		Hex Nut 5/16-24 Thd.*	
52	738-0292		Blade Spindle	
53	12532		Deck Bracket (Chute)	
54	738-0183		Shld. Scr. .500 Dia. x .170 Lg.	
55	736-0140		Fl-Wash. .385 I.D. x .88 O.D.	
56	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
57	12464	—452	Chute Ass'y.	
58	712-0429		Hex Ins. L-Nut 5/16-18 Thd.	
59	736-0242		Bell. Wash. .345 I.D. x .88 O.D.	
60	12541		Chute Pivot Brkt.	
61	738-0140		Shld. Scr. .437 I.D. x .180" Lg.	
62	750-0258		Spacer .315 I.D. x .75 O.D. x .370 Lg.	
63	736-0231		Fl-Wash. .344 I.D. x 1.12 O.D. x .12	
64	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.	
65	732-0308		Extension Spring	
66	12469		Deck Idler Brkt. Ass'y.	
67	756-0116		V-Idler Pulley	
68	736-0116		Fl-Wash. .630 I.D. x .930 O.D. x .060	
69	12472		Lift Handle Shaft Ass'y.	
71	735-0180		Rubber Wash.	
72	749-0174		Lift Handle	
73	12479		Lift Handle Stop	
74	11249		Height Adj. Knob	
75	12477		Lift Arm Shaft Ass'y.	
76	10317		Deck Link	
77	12502		Lift Pivot Brkt. Ass'y.	
80	12853		Seat Support Ass'y.	
81	720-0157		Grip	
82	710-0597		Hex Sems Scr. ¼-20 x 1.00" Lg.*	
83	12495		Connecting Link	
84	710-0627		Hex Wash. Hd. Self-Tap Scr. 5/16-24 x .75" Lg.	
85	10426		Belt Keeper Ass'y.	
87	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.	
88	748-0176		Flange Brg. .62 I.D. x .87 O.D. x .63" Lg.	
89	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
90	736-0160		Fl-Wash. .530 I.D. x .940 O.D. x .050	
91	735-0185		Rubber Wash. .531 I.D. x 1.00 O.D. x .120	
92	736-0192		Fl-Wash. .531 I.D. x .93 O.D. x .090	
93	12852		Chute Baffle	
94	710-0167		Carriage Bolt ¼-20 x .50"*	
95	711-0310		Clevis Pin .500	
96	710-0413		Self-Tap Scr. 3/16-16 x 1.0" Lg.	
97	731-0339		Shrink Tube	
98	13703		Bearing Shield	
—	12550		26" Deck Ass'y. Comp. (For Service Only)	

Models 526, 528 and 529



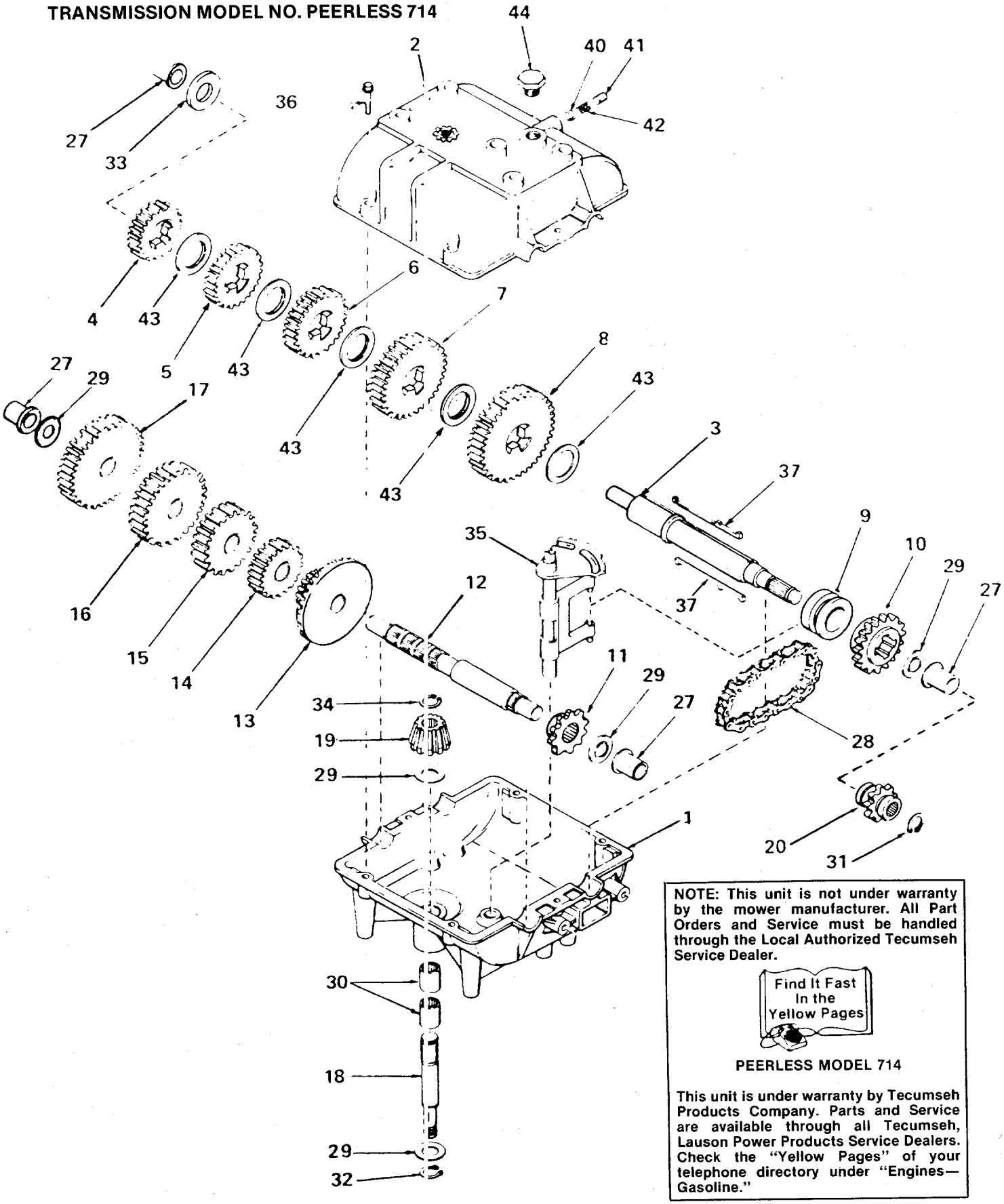
Models 526, 528 and 529

PARTS LIST FOR MODELS 526, 528 AND 529 RIDING MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
2	732-0256		Seat Spring 3.25" High	
3	726-0151		Fastener (Self Ret. ¼ Turn)	
4	12471	—462	Rear Frame Cover	
5	12450	—462	Rear Frame	
6	726-0121		Push Cap .25" Dia.—Black	
7	712-0267		Hex Nut 5/16-18 Thd.*	
8	736-0119		L-Wash. 5/16" Scr.*	
9	720-0165		Ball Knob	
10	11545		Shift Lever—Transmission	
11	713-0189		#420 Chain ½" Pitch x 77 Links	
12	713-0154		#420 Master Link	
13	710-0513		Hex Scr. ¼-28 x .62" Lg. (Lock)	
14	736-0270		Bell. Wash. .25" I.D. x .88 O.D. x .062	
15	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
16	736-0159		Fl-Wash. .344 I.D. x .88 O.D.	
17	735-0126		Rubber Wash. .33 I.D. x .87	
18	11548		Shift Lever Brkt. Ass'y.	
19	717-0234		Hardened Wash. 1.00 O.D. (Special)	
20	712-0798		Hex Nut 3/8-16 Thd.*	
21	736-0169		L-Wash. 3/8" Scr.*	
22	747-0155		Brake Rod	
23	732-0233		Extension Spring	
25	16023		Clutch Lockout Ass'y.	
26	714-0507		Cotter Pin 3/32" Dia. x .75"*	
27	12379		Clutch Pedal Pad	
28	710-0118		Hex Bolt 5/16-18 x .75" Lg.*	
29	12539		Clutch Pedal & Brkt. Ass'y.	
30	12486		Brake Lever Ass'y.	
31	710-0378		Hex Scr. 5/16-18 x 2.50" Lg.	
32	747-0156		Clutch Rod	
33	710-0316		Hex Scr. 3/8-16 x 3.5" Lg.	
34	710-0211		Hex Sems Scr. ¼-20 x .75"	
34	710-0211		Hex Sems Scr. ¼-20 x .75"	
35	12488		Engine Belt Guard Ass'y.	
36	12534		Pedal "U" Brkt.—R.H.	
37	715-0114		Spring Pin Spiral .25" Dia. x 1.50" Lg.	
38	HH-11-03527		Bushing	
39	12543		Brake Pedal Shaft Ass'y.	
40	12378		Brake Pedal Pad	
41	756-0436		Two-Step Engine Pulley	
42	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
43	756-0217		Fl-Idler w/Flanges 2.75" Dia.	
44	712-0922		Hex Jam Nut ½-20 Thd.*	
45	736-0921		L-Wash. ½" Scr.*	
46	754-0198		"V"-Belt ½" x 62" Lg. (Drive)	
47	756-0174		Transmission Split Pulley .50" I.D.	
48	714-0129		#4 Hi-Pro Key 3/32 x 5/8" Dia.	
49	710-0696		Hex Scr. 3/8-24 x .75" Lg.*	
50	756-0116		"V"-Idler	
51	738-0140		Shld. Scr. .437" Dia. x .180	
52	12484		Idler Brkt. Ass'y.	
54	HH-12-03293		Casting—Carrier	
55	738-0129		Shld. Scr. .498" Dia. x 2.00"	
56	HH-15-03149		Pad—Friction	
57	734-0715		Rear Wheel Ass'y.—Comp. 14.5 x 4.5	
	734-0714		Tire Only 14.5 x 4.5	
58	734-0517		Rear Wheel Rim Only	
59	736-0242		Bell. Wash. .345 I.D. x .88	
60	710-0627		Hex Cent. Lock Scr. 5/16-24 x .75" Lg. H.T.	
61	717-0319		Differential Ass'y. Comp.	
62	HH-15-02124		Pad—Friction	
63	HH-03-0 3303		Disc—Back-Up	
64	12853		Seat Support Ass'y.	
65	12508		Rear Axle Plate	
66	741-0199		Flange Brg. w/Flats .753 I.D.	
67	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
68	736-0134		Fl-Wash. .812 I.D. x 1.38" O.D. x .100	
69	12482		Disc Brake Brkt. Ass'y.	
70	—		Transmission (Five Speed)	
71	HH-12-03292		Casting—Cam	
72	HH-05-03034		Push Pin	
73	761-0130		Disc Brake Ass'y.—Comp.	
74	710-0437		Chain Adj. Link 5/16-18 x 4.38" Lg.	
75	12460		Rear Axle Brkt.—R.H.	
76	732-0245		Brake Spring	
77	HH-18-03493		Cam Lever	
78	12459		Rear Axle Brkt.—L.H.	
79	732-0157		Brake Return Spring	
80	10360		Plate Ass'y. Axle Bolt	
81	HH-03-03032		Washer	
82	710-0425		Truss Hd. Mach. Scr. 10-24 x .62" Lg.	
83	12537		Baffle Plate	
84	736-0147		Ext. L-Wash.	
85	712-0121		Hex Nut 10-24 Thd.*	
86	712-0429		Hex Ins. L-Nut 5/16-18 Thd.	
87	736-0329		L-Wash. ¼" Scr.*	
88	712-0287		Hex Nut ¼-20 Thd.*	
89	738-0143		Shld. Scr. .498 Dia. x .330	
90	712-0134		Hex Top L-Nut	
91	HH-06-03031		Spring	
92	12541		Chute Pivot Brkt.	
93	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
94	12544	—452	Grass Catcher Adapter	
95	710-0289		Hex Scr. ¼-20 x .50" Lg.*	
96	725-0577		Safety Switch	
98	736-0219		Belleville Washer	
99	710-0227		Hex Wash. Hd. Scr. #8 x .50"	
100	726-0222		Insulator Nut Plate	
101	725-0759		Spring Switch	
102	15737		Rear Chute Baffle	

Models 526, 528 and 529

TRANSMISSION MODEL NO. PEERLESS 714



NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.

Find It Fast In the Yellow Pages

PEERLESS MODEL 714

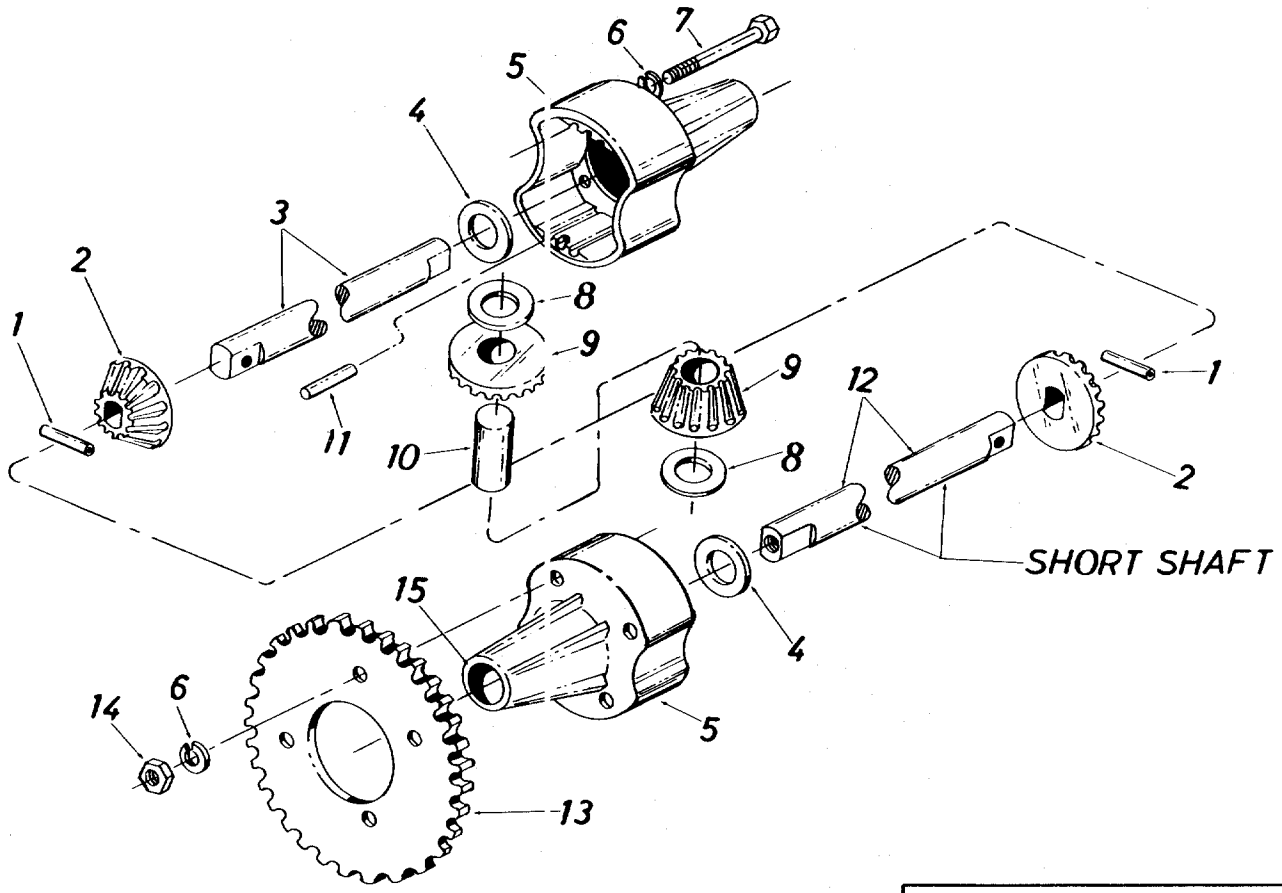
This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

Models 526, 528 and 529

PARTS LIST FOR PEERLESS MODEL 714 TRANSMISSION

REF. NO.	PART NO.	DESCRIPTION
1	PE-770061	Case, Transmission
2	PE-772070	Cover, Transmission
3	PE-776166	Shaft, Output
4	PE-778121	Gear, Spur (20 Teeth)
5	PE-778122	Gear, Spur (22 Teeth)
6	PE-778123	Gear, Spur (25 Teeth)
7	PE-778124	Gear, Spur (30 Teeth)
8	PE-778125	Gear, Spur (35 Teeth)
9	PE-784266	Collar, Shift
10	PE-786060	Sprocket (14 Teeth)
11	PE-786061	Sprocket (10 Teeth)
12	PE-776134	Shaft, Counter
13	PE-778109	Gear, Bevel (42 Tooth & 15 Tooth Spur Gear)
14	PE-778126	Gear, Spur (20 Teeth)
15	PE-778127	Gear, Spur (25 Teeth)
16	PE-778128	Gear, Spur (28 Teeth)
17	PE-778129	Gear, Spur (30 Teeth)
18	PE-776140	Shaft, Input
19	PE-778113	Bevel Pinion, Input
20	PE-786049	Sprocket (8 Teeth)
27	PE-780105	Bushing, Flanged
28	PE-786062	Chain, Roller (No. 41 Chain, 22 Links)
29	PE-780072	Race, Thrust
30	PE-780106	Bearing, Needle
31	PE-792072	Ring, Retaining
32	PE-792035	Ring, Retaining
33	PE-780109	Washer
34	PE-788040	Ring, Retaining
35	PE-784271	Rod and Fork Ass'y., Shift
36	PE-792073	Screw, Hex Hd. Taptite, ¼-20 x 1¼
37	PE-792089	Key
40	PE-792077	Ball, Steel, 5/16"
41	PE-792078	Screw, Set, 3/8-16 x 3/8
42	PE-792079	Spring
43	PE-780108	Washer, Thrust
44	PE-792074	Plug

Models 526, 528 and 529



Lubricate with 3 oz. of high temp. grease Plastilube #0. Order Part No. 737-0166.

PARTS LIST FOR DIFFERENTIAL ASSEMBLY 717-0319

REF. NO.	PART NO.	Qty. Req'd.	DESCRIPTION	NEW PART
1	715-0247	2	Spring Pin Spiral 3/16" Dia. x 1.00" Lg.	
2	748-0156	2	Gear—Double "D" Hole	
3	738-0302	1	Shaft (Long)—15.11" Lg.	
4	736-0188	2	Fl-Wash. .760 I.D. x 1.49 O.D.	
5	719-0150	2	Housing Half	
6	736-0119	8	L-Wash. 5/16" I.D.*	
7	710-0363	4	Hex Bolt 5/16-24 x 4.00" Lg.	
8	736-0187	2	Fl-Wash. .640 I.D. x .24 O.D.	
9	748-0158	2	Gear—Round Hole	
10	711-0276	1	Drive Pin	
11	715-0145	2	Dowel Pin 3/16" Dia. x .62" Lg.	
12	738-0303	1	Shaft (Short) 7.58" Lg.	
13	713-0162	1	Sprocket—48 Teeth	
14	712-0237	4	Hex Cent. L-Nut 5/16-24 Thd.	
15	748-0169	2	Flange Bearing	

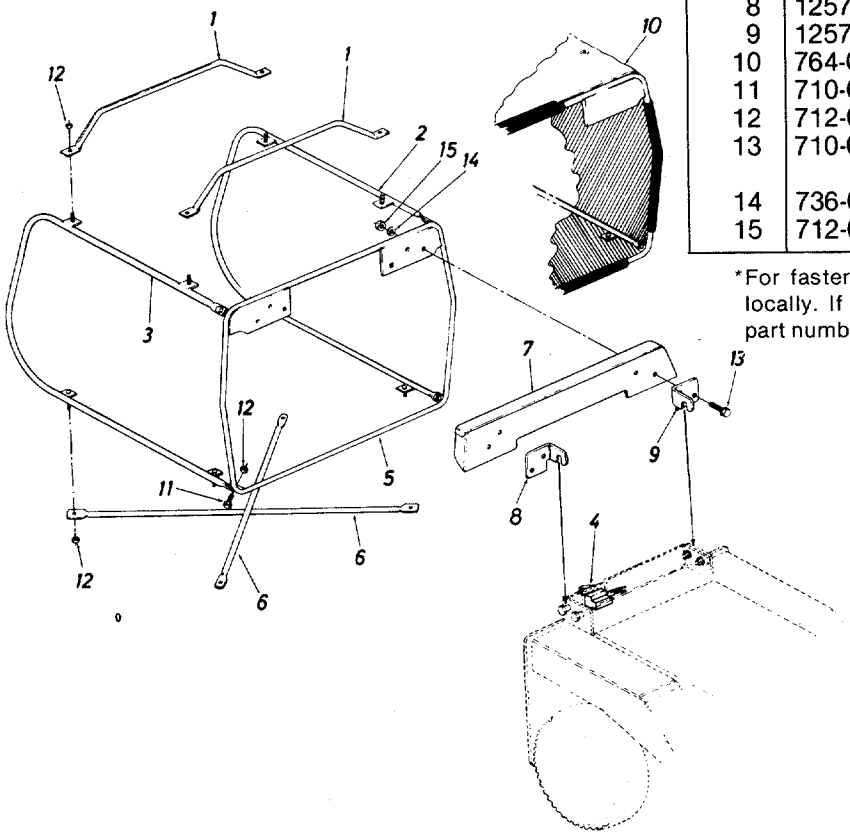
*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

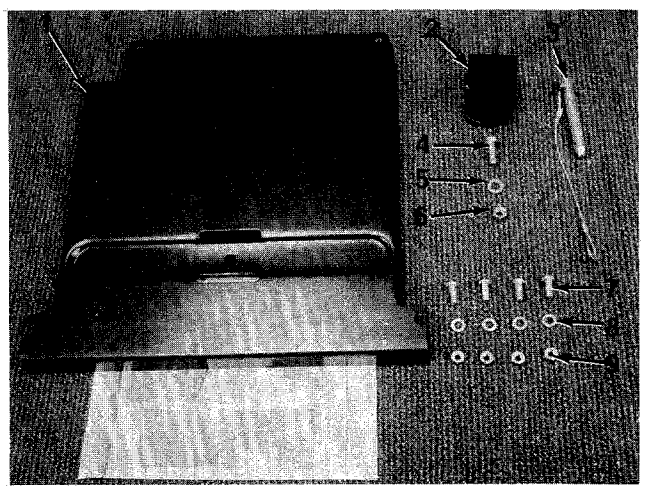
Models 526, 528 and 529

PARTS LIST FOR MODELS 526, 528 AND 529

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	749-0221	Catcher Handles	
2	12889	Catcher Side Frame Ass'y. L.H.	
3	12890	Catcher Side Frame Ass'y. R.H.	
4	725-0713	Safety Switch (Grass Catcher)	
5	12887	Catcher Frame Ass'y.	
6	749-0220	Bottom Cross Brace	
7	12891	Dust Cover	
8	12574	Hinge—R.H.	
9	12573	Hinge—L.H.	
10	764-0164	Grass Bag	
11	710-0258	Hex Scr. ¼-20 x .62" Lg.*	
12	712-0107	Hex Cent. L-Nut ¼-20 Thd.	
13	710-0322	Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
14	736-0119	L-Wash. 5/16" Scr.*	
15	712-0267	Hex Nut 5/16-18 Thd*	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.



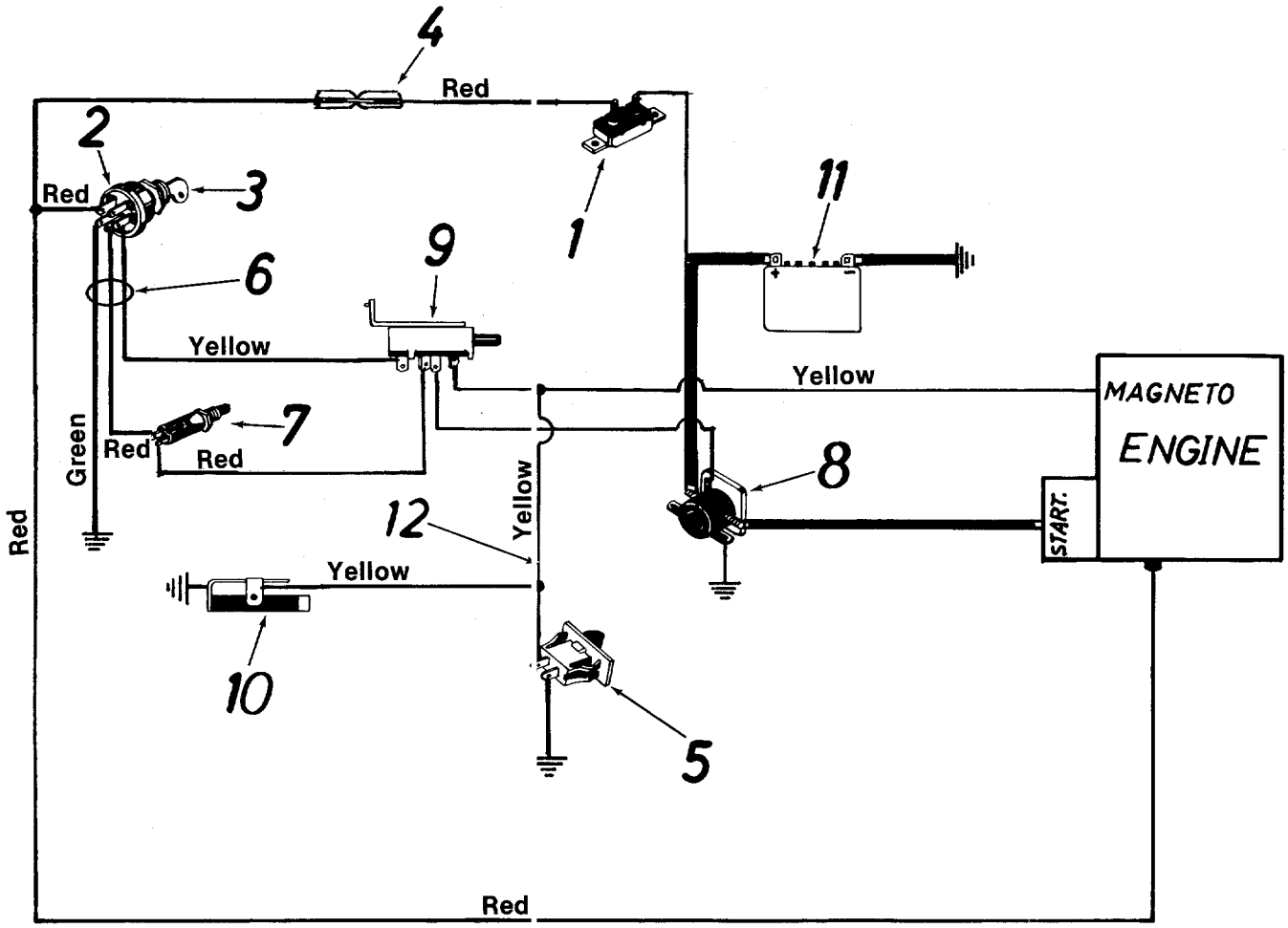


PARTS LIST FOR MODELS 526, 528 AND 529

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	12896	Hitch Plate	
2	12895	Hitch Bracket	
3	09389	Hitch Pin	
4	710-0253	Hex Scr. 3/8-16 x 1" Lg.*	
5	736-0169	L-Wash. 3/8" Scr.*	
6	712-0798	Hex Nut 3/8-16 Thd.*	
7	710-0118	Hex Scr. 5/16-18 x .75" Lg.*	
8	736-0119	L-Wash. 5/16" Scr.*	
9	712-0267	Hex Nut 5/16-18 Thd.*	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

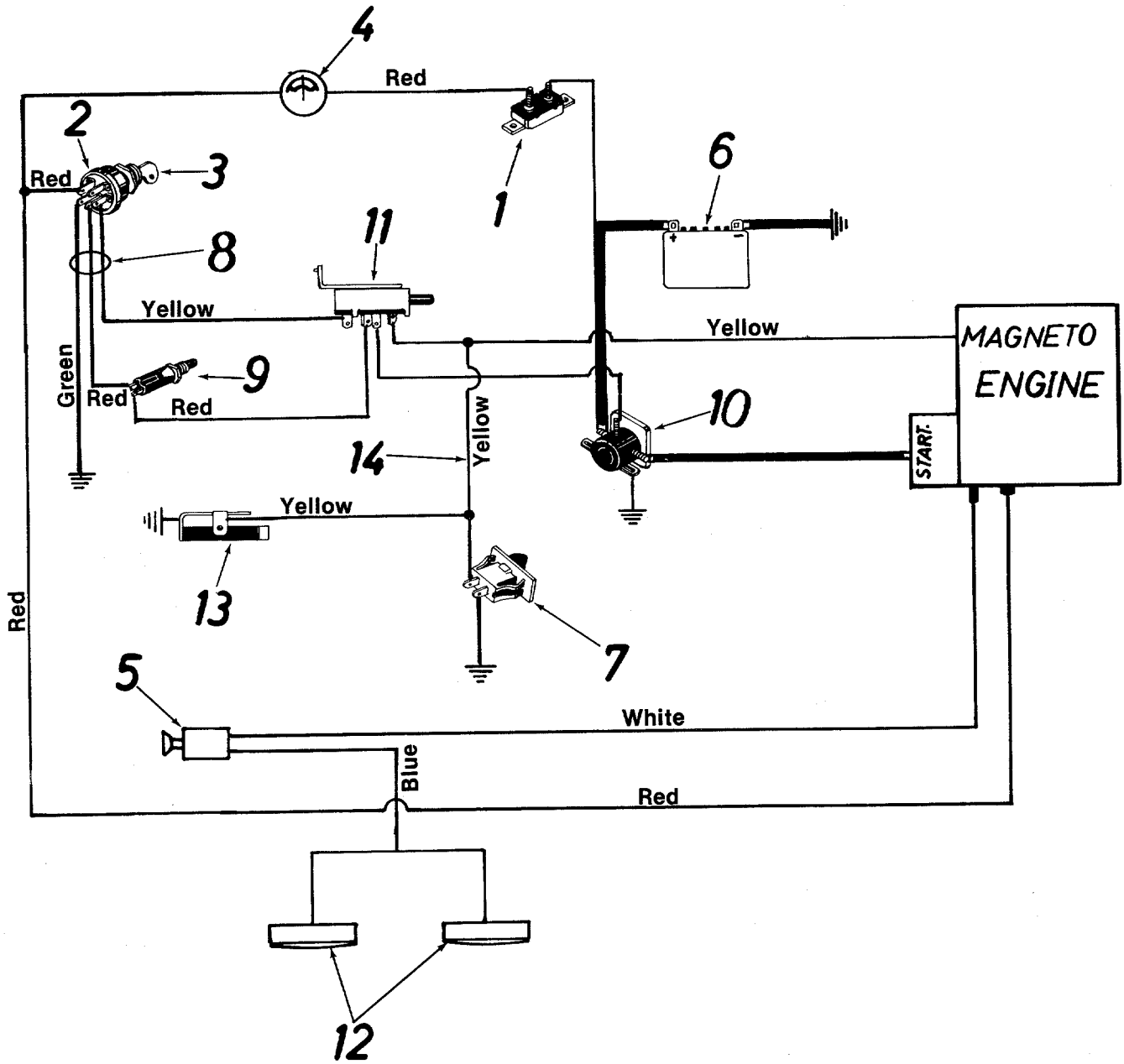
Model 526 Only



PARTS LIST FOR ELECTRICAL SYSTEM
RIDING MOWER MODEL 526 ONLY

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	725-0459		Circuit Breaker	
2	725-0267		Ignition Switch	
3	725-0201		Ignition Key	
4	725-0717		Insulated Tab Adapter	
5	725-0713		Safety Switch (Grass Catcher)	
6	725-0870		Wire Harness	
7	725-0577		Safety Switch (Drive)	
8	725-0771		Solenoid	
9	725-0465		Safety Switch (Blade)	
10	725-0759		Spring Switch (Reverse)	
11	725-0514		12-V Battery	

Models 528 and 529 Only



PARTS LIST FOR ELECTRICAL SYSTEM
RIDING MOWER MODEL 528 ONLY

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	725-0459		Circuit Breaker		8	725-0849		Wiring Harness	
2	725-0267		Ignition Switch		9	725-0577		Safety Switch (Drive)	
3	725-0201		Ignition Key		10	725-0771		Solenoid	
4	725-0119		Ammeter		11	725-0465		Safety Switch (Blade)	
5	725-0646		Headlight Switch		12	725-0417		Headlight	
6	725-0514		Battery		13	725-0759		Spring Switch (Reverse)	
7	725-0713		Safety Switch (Grass Catcher)						

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA		**NORTH CAROLINA**	
Auto Electric & Carburetor Co.	BIRMINGHAM 2625 4th Ave. S. 35233	Smith Hardware Co.	GOLDSBORO 515 N. George St. 27530
ARKANSAS			GREENSBORO
Sutton's Lawn Mower Shop	NORTH LITTLE ROCK 5301 Roundtop Drive Box 368, Rt. 4 72117	Dixie Sales Company	335 N. Green 27402
CALIFORNIA		**OHIO**	CARROLL
Billious	PORTERVILLE 75 North D Street 93257	Stebe's Mid-State Mower Supply	Box 366, 71 High St. 43112
COLORADO			CLEVELAND
Spitzer Industrial Products Co.	DENVER 6601 N. Washington St. 80229	Bleckrie, Inc.	7900 Lorain Ave. 44102
FLORIDA			WADSWORTH
Radco Distributors	JACKSONVILLE 4909 Victor St. Box 5459 32207	National Central	687 Seville Rd. 44281
			YOUNGSTOWN
	HIALEAH	Burton Supply Co.	1301 Logan Ave. Box 929 44501
Small Eng. Dist.	7995 W. 26th Court 33016	**OKLAHOMA**	MUSKOGEE
GEORGIA	EAST POINT	Victory Motors, Inc.	605 S. Cherokee 74401
East Point Cycle & Key	2834 Church St. 30344	**OREGON**	PORTLAND
ILLINOIS	LYONS	Kenton Supply Co.	8216 N. Denver Ave. 97217
Keen Edge Co.	8615 Ogden Ave. 60534	**PENNSYLVANIA**	HARRISBURG
INDIANA	ELKHART	EECO Inc.	4021 N. 6th St. 17110
Parts & Sales Inc.	2101 Industrial Pkwy. 46516		PHILADELPHIA
IOWA	DUBUQUE	Thompson Rubber Co.	5222-24 N. Fifth St. 19120
Power Lawn & Garden Equip.	2551 J.F. Kennedy 52001		PITTSBURGH
LOUISIANA	NEW ORLEANS	Bluemont Co.	11125 Frankstown Rd. 15235
Suhren Engine Co.	8330 Earhart Blvd. 70118		PUNXSUTAWNEY
MARYLAND	TAKOMA PARK	Frank Roberts & Sons	R.D. 2 15767
Center Supply Co.	6867 New Hampshire Ave. 20912		SCRANTON
		Scranton Auto Ignition Co.	1133-35 Wyoming Ave. 18509
MASSACHUSETTS	SPRINGFIELD	**TENNESSEE**	KNOXVILLE
Morton B. Collins Co.	300 Birnie Ave. 01107	Master Repair Service	2000 Western Ave. 37921
MICHIGAN	LANSING		MEMPHIS
Lorenz Service Co.	2500 S. Pennsylvania 48910	American Sales & Service, Inc.	3035-43 Bellbrook 38116
	MOUNT CLEMENS	**TEXAS**	DALLAS
Power Equipment Dist.	340 Hubbard 48043	Marr Brothers, Inc.	423 E. Jefferson 75203
MINNESOTA	HOPKINS		FORT WORTH
Hance Distributing Inc.	420 Excelsior Ave. W. 55343	Woodson Sales Corp.	1702 N. Sylvania 76111
MISSISSIPPI	BILOXI		HOUSTON
Biloxi Sales & Service, Inc.	506 Caillavet St. 39533	Bullard Supply Co.	2409 Commerce St. 77003
MISSOURI	KANSAS CITY		SAN ANTONIO
Automotive Equip. Service	3117 Holmes St. 64109	Engine House Inc.	8610 Botts Lane P.O. Box 17867 78217
	ST. JOSEPH	**UTAH**	BOUNTIFUL
Ross-Frazier Supply Co.	8th and Monterey 64503	Powered Products	485 N 500 W. 84010
	ST. LOUIS	**VIRGINIA**	ASHLAND
Henzler, Inc.	2015 Lemay Ferry Rd. 63125	RBI Corp.	101 Cedar Ridge Dr. 23005
NEW JERSEY	BELLMAWR	**WASHINGTON**	SEATTLE
Lawnmower Parts Inc.	717 Creek Rd. 08030	Equip. Northwest	1414 14th Ave. 98122
NEW MEXICO	ALBUQUERQUE	**WISCONSIN**	APPLETON
Spitzer Eng. & Parts	1023 Third Ave. N.W. 87103	Automotive Supply Co.	123 S. Linwood Ave. P.O. Box 798 54911
NEW YORK	CARTHAGE		CHILTON
Gamble Dist., Inc.	West End Ave. 13619	Horst Dist.	444 N. Madison St. 53014

WARRANTY PARTS AND SERVICE POLICY (1283)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customers's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. **Replacement of Missing Parts** on new equipment.
2. **Replacement of Defective Parts** within the warranty period.
3. **Repair of Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number** of unit involved.
2. **Date** unit was purchased or first put into service.
3. **Date of failure.**
4. **Nature of failure.**

MTD PRODUCTS INC • P.O. BOX 36900 • CLEVELAND, OHIO 44136